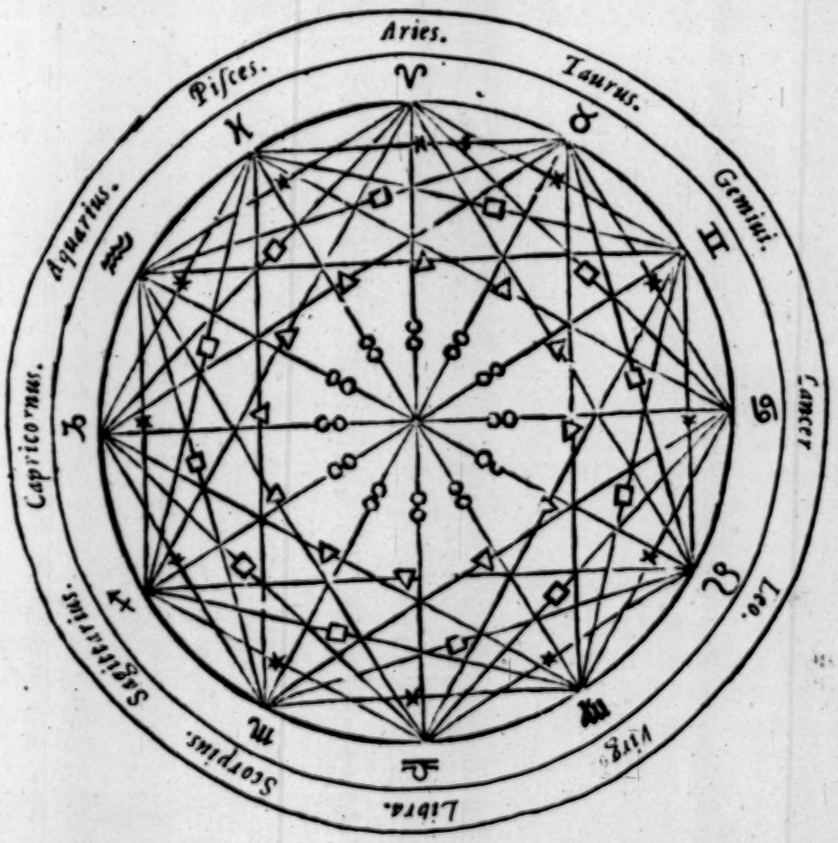
A PROGNOSTICATION OF RIGHT GOOD

effect, fruictfully augmented, contayninge *playne, briefe, pleasant, chosen* rules, to iudge the wether for euer, by the *Sunne, Moone, Sterres, Cometes, Raynbowe, Thunder, Cloudes*, with other Extraordinarie tokens, not omitting the *Aspectes* of *Planetes*, with a brefe ludgemente for euer, of *Plentie, Lacke, Sickenes, Death, Warres &c.* Openinge also many *naturall causes*, woorthy to be knowē. To these and others, now at the last are adioyned, *diuers generall pleasaunte Tables*: for euer manyfolde wayes profitable, to al maner men of vnderstanding: therfore agayne publisshed by *Leonard Dygges Gentylman*, in the yeare of oure Lorde. 1555.

(*)



Imprynted at London, within the blacke Fryars, by Thomas Gemini. 1555.

THE CONTENTES.

Firſte ye haue many pleaſant choſen rules for euer, to iudge alteratiō of wether, by the *Sunne*, *Moone*, *Sterres*, *Cometes*, *Raynbow*, *Thunder*, *Cloudes*, with many tekens extraordinarie: not omittinge the *Cōiunctions*, *Quadratures*, and *Oppoſitiōs* of Planetes, among them ſelfes, and with the *Moone* alſo: and their conbuſtion, in the .12. ſignes celeſtiall.

2 Then enſue naturall cauſes of ſuche alteration, accordinge to *Ariſtotele*: fyrſt of the *Raynbowe*, then of *Rayne*, *Dewe*, *Snowe*, *Hayle*, *Wynde*, *Earthquakes*, *Thunders*, and *Lightninges*.

3 The cauſes and operations of *Cometes*, *Flames*, and other horrible fyrye ſightes, apperinge in the ayre.

4 The naturall cauſes, and ſignificatiōs of *Eclipſes*, both of *Sunne* and *Moone*, with the trew proportion of all the Planetes, and fixed *Sterres*, vnto the earth.

5 Cauſes naturall of many *Sunnes* and *Moones*, appearinge at one tyme on the earthe.

6 Then enſue the *Aſpectes* of the *Moone*, and her ſignification, in the 12. celeſtiall ſignes, conducing to all maner affayres.

7 A table, declaring what ſigne the *Moone* is in, for euer: conteyninge the apteſt tyme to let bloud, to take purgatiōs, and to bathe.

8 How to know at all tymes, what the *Moone* differeth frō the *Sunne*: I meane what ſignes and degrees of the *Zodiac* ar betwene them.

9 Ye haue a cōducible note of all the *euel daies* in euery *moneth*: with other neceſſaries: for letting bloudde alſo, with the dominiō of the *Moone* in mans bodye: for pourging, and bathing, more largely then by the Table tofore ſayde.

10 Of *inundations* or *fluddes*, with the meteſt tyme of *Timbre* falling, *Sowing*, *Planting*, *Grafting*, *Hearclipping*, *Shauing*, and *Geidlng*.

11 For farther knowlege in thynges folowyng the *Sondaies letter* and *Leap yeare*, is brefly declared by a *Table*, at no time to be altered.

12 A table, as generall for the *Prime* and *Epact*.

13 A table to finde the *moueable feastes* for euer.

14 Then is opened plainly the age of the *Moone* at all tymes, the *full*, and *quarter*, for euer.

15 A table shewing cõtinually the true tyme of *ebbing* and *flowinge*, in moste coastes of Englande.

16 Here is also declared for euer, how lõg tyme the *Moone* shyneth, when she *riseth* and *setteth*, with her continuãce on the *Horizon*, or earth.

17 A *Table* for the *breake* of the day, and *twilight*, and for thys countrey the trew houre and very mynute of the *Sunne risinge*, and *goynge doune*, with the iuste *quantitie* or lengthe of euery daye in the yeare, and the *length* of the night also.

18 The houre of the nyght is knowen by the *Moone*, and that dyuersly.

19 The houre of the daye doeth playnly appeare by *right shadow*: that is, by any thing directly standing vp, and also by *shadow Geometrical*, whiche is squyre shadow.

20 The exact houre of the nighte is pleasauntly searched by *Sterres* and *Tables* calculated, with an *instrument* appoynted for that practise. This instrument is a perfect *Dial* for the day, of al other the grounde, whose *makinge*, *reringe*, *placinge*, and *vse* is playnlye opened.

21 Before the peculiar *Kalendar*, ye haue a brefe *Kalẽdar* general, contayning thinges comonly desired.

Here endeth the contentes.

To the right honorable, Sir Edward Fines, of the noble order of the Garter Knight, Lord Clinton and Saye, &c. Leonard Digges wisſheth continuance of health, and daily encreace of honor. (;·;)

SIthe my late trobles (right honorable, and ſingular good lord) my dutye hath made me careful to procure, that ſome frute of my ſtudies might declare me thankefully mynded, to warde youre lordſhippe, emōge other honorable, to whome I owe my ſelf, with all my endeuore, and fruytes of ſtudye. For the perſormance wherof, not onely your lordſhippes late talke of a Prognoſtication, ſemed to make that argument fitteſt: but alſo the manifeſt imperfectiōs, and manifold errors yearly cōmitted, did craue the ayde of ſome that were both willinge, and able to performe the truth in lyke maters. I thought it therfore worthy the labor, truly and brefely to collect many thinges, bothe neceſſarie, and pleaſant, as well for Nobilitie as others: and to adioyne them to my general Prognoſtication, imprinted the yeare 1553. augmentinge diuerſe wayes the ſame: and more orderly placing ſuch as were before ſet forth. Your honor ſhal here receaue, in this litle boke, by infallible rules taught for euer, a truthe of all ſuch thynges as heretofore haue ben put forth of other for one yeares profit onely, compelled thereby of neceſſitie to make a yearly renewinge of them: wherupon errors many encreaſed. You ſhal haue diuerſe other concluſions generall, of none before attempted. Theſe (right honorable lord) according vnto my dutie, I do preſent, and beſech you in good worth to receaue: and haue willed them to paſſe vnder protection of your Lordſhippes name: that yf to any, any commoditie enſue thereby, ſuche as receaue it, may haue cauſe to further me, in yeldinge thankes to youre honor.

TO auoyde (Gentle reader) the yearly care, trauailes, and peines of other, with the confusions, repugnãces, and manifold errors, partly by negligence, & ofte through ignorãce, cõmitted: I haue agayn breefly set forth a Prognostication general, for euer to take effect: adioining thereto diuers profitable collectiõs, & many pleasãt cõclusiõs, easy of all willing ingenious to be perceyued Here note (Reder) wher as the eleuate Pole, & Meridian should be considered: in this work it is performed for London: bycause I wisse he this Meridian, Situation, or Clime the exact truthe of thinges. If any yearly practises in lyke maters, agree not with my calculatiõs: be assured, they are false, or at the least for other Eleuatiõs, or Meridians supputated, and therefor litle seruing thy purpose. And that the late rude inuẽtiõs, and grosse deuises of some (this yeare, and two yeares past, published) might be of them perceued, then filed, and so serue to some profit: I haue purposed euen now to put forth a boke named Panauges, well seruing their turne, and so generally and most exactly all Europe, pleasant, profitable to the learned, and no small delight to all maner mẽ. An other boke is also redy to come to thy handes, titled Tectonicon, a treasure vnto the Masons, Carpenters, and Landmeaters: correcting their olde errors, wrõgfully rekened of them as infallible groundes: teaching faythfully, sufficiently, and very brefely, the true mẽsuration of all maner land, tymbre, stone, bourde, glasse, &c: and at the ende cõteining an Instrumẽt Geometrical, appointed to their vse. Take in good worth these labors (Louing reader) and loke shortly for the pleasant frutes Mathematical, euẽ such as haue ben promysed by my frendes, and partly by me. Neither shall my desire to profit here stay: but entendeth farther to procede, yf these seme accepted As the good wil of Printers not had, hath kept the foresayd from you: so I trust the willing minde and excellẽcie of Thomas Gemini, shal bring them shortly vnto you. Certes my hope is, while life remaineth, not to be vnfruteful to this commune wealth, with study, and practise.

Agaynſt the reprouers of Aſtronomie, and ſciences Mathematicall.

I Am diuerſly occaſioned, louyng Reader, ſomwhat to wryte in the commendatiõ of the *Mathematicals*, whiche neded not: but onely to open the foliſh raſſhenes, and raſſhe fooliſhenes of ſuche, which of late haue in writing diſpraiſed theſe goodly artes. It is an olde ſayd ſawe, and trew: *Scientia non habet inimicum niſi ignorantẽ.* But to auoyde tediouſnes, and chiefly for the more ſatiſfieng, I refer all of that ſort, which haue taſted any lerning (the reſt not regarded) to the firſt part of famous *Guido Bonatus, de vtilitate Aſtronomiæ in communi*: where he writeth *contra illos, qui dicunt quod Scientia ſtellarum non poteſt ſciri ab aliquo: contra illos, qui dixerunt quod ſcientia ſtellarum non eſt vtilis, ſed potius damnoſa &c. contra illos, qui contradicunt iudiciis Aſtronomiæ, & qui reprehendunt eam, neſcientes dignitatem eius, eo quod nõ eſt lucratiua.* Alſo for breuitie, I appoint all nyce diuines, or (as *Melanchõ* termeth them) *Epicurei Theologi*, to his hye cõmendatiõs touching *Aſtronomie*, vttered in hys epiſtles to *Simõ Grineus*, to *Schonerus*, and at the peroration of *Cardanus* fyue bokes, where he ſheweth how far wyde they alledge the ſcriptures agaynſte the *Aſtronomer*, whiche make wholy with the *Aſtronomer*. *Melanchon* wryteth and affyrmeth, *Arrogantiam eſſe cum ſumma ſtultitia coniunctam, venari choragium alius quod gloriæ, ex inſectatione artium, quæ ſunt graui autoritate doctorum &c. prudẽtium receptæ.* He calleth it *manifeſtum inſaniæ genus*, declaring *quod magis opus habẽt Medicis, quã Geometris*, aduiſing the lerned not to geue eare vnto their folye. *Sinamus (ait) vna cũ Epicuro ineptire.* Which counſello, I folowe. Now therfor, ye enemies of all good doctrine, either geue an ouerthrowe, and that with your penne, or let famous *Guido*, or learned *Melanchon* ſatiſfie. Yf neither: certes I will ſhortly (God ſparyng lyfe) take ſome payne in publiſſhyng the wonderfull vnknowen pleaſant profites of theſe diſprayſed hyghe knowleges, and by that meanes to enforce ſilence. Now in few, for thy encouragement in theſe, thus I ſaye and trewly, the ingenious learned, and well experienced circũſpect ſtudent *mathematical* reioyeth dayly in hys witty practiſes, more pleaſant ioye of mynde, then all thy gooddes (how rych ſo euer thou be) canne at any tyme purchaſe. *Id tantum quod pulchrum eſt, quod purum eſt quod diuinum*

Vituperant, qui ſimpliciter eas ignorant.

diuinum est, nihil mortale sapiens dulci ardore amplectitur. Vt multa paucis (crede mihi) extingui dulce erit Mathematicarum artium labore. Nowe to ende, that learned *Guido*, that excellent *Guido Bonatus*, sheweth what *Astrologi* or *Astronomie* is, and ought not sayeth he, by anye meane to be reprehended, in that the moste wisest, yea, the holye fathers haue practised that scięce. He proueth it one of the chief sciences *Mathematical*, by the autoritie of the best learned, and by *Aristotele* in hys *Posteriorum*. Howe commeth it to passe louinge Reader, seynge it is a noble science, *et scientia est notitia vera conclusionum, quibus propter demonstrationem firmiter assentimur*, that it is counted vayne, and of so smal strengthe. The secret truthes and moste pleasant profites therein not desired, yea, vtterly despised, and of some busy byghtinge bodyes reiected as very lyes. Let no man doubt ignorancie, the grete enemie of all pure learning hath wrought this. *Nam incertam vocat hanc artem vulgus, propter errores non arti, sed hominum indoctissimorum insciti, et temeritati imputandos, qui citra delectum omnia effutiunt.* Thus I leaue indigestly farther to trouble: fauour me as I tender the furtheraunce of good learninges, profitable to a common wealth.

Stulti negligunt et contęnunt: Qui contradicit, ambitiosus est, Qui maledicit, fatuus.

Fare moste hartely wel, vnfayned good Christian Reader.

How vve to iudge vveather by the Sunne ryſing, or goyng downe.

THe *Sunne* in the *Horizon*, or ryſynge, cleare and bright, ſheweth a pleaſant day: but thinlie ouercaſt wyth a cloude, betokeneth foule weather. Alſo at the goyng doune, the body diuerſe colored or redde, ād aboute diſperſed wyth lyke cloudes, the beames redde, and of lengthe, ꝓnounce greate wyndes the nexte day frō that part. Blaknes in the *Sunne* or *Moone* betokeneth water: redde, ſignifieth winde. The element redde in the euenyng, the next daye fayr: but in the mornyng redde, wynde and rayne. Alſo the *Sunne* beames ſpottid, grene, pale, or blacke, gathered to a cloude, ſignifie rayne. Further the *Sunne* at the ſetting playnlye ſeene without anye cloude, declareth a fayre night to enſue. Here note, *Ptolome* willeth vs diligentlye to obſerue the circle, or circles about the *Sunne*. Yf it be cleare, and the circle of no continuance, beholde fayre weather: yf manye of them, wynde. Wyndes more vehemente are ſignified, if that the circles be ſome what redde, here and there broken: but theſe obſcured, thycke, and blacke, looke for colde, wind, and ſnowe. What is ſpoken of the *Sunne*, touching the circles, the ſame is meant of the *Moone*. Note here that greater wyndes chaunce in the daye, than in the nyght.

De obſeruandis meteoris.

Note.

How weather is declared by the colour of the Moone: and by the nature of the ſigne wherin ſhe is.

IF the *Moone* in the third of her chaūge, yea thre dayes before the full, or in the myddes of the quarter, be founde of pure lyght: no thyng cōpaſyng her, the ende direct vp, ſhe ꝓmiſeth fayr weather, but bent to red colour, prouoketh wynde. The *Moone* pale, or ſome what inclined to blacke, obſcure or thick, threatnith rayne. Alſo by the nature of the ſigne, wether may be iudged, thus, accordīng to *Staeflerinus*, *Monte regius*, *Leupoldus*, ād famous *Guido Bonatus*, with others well trauayled in the mutacions of ayer. Conſider the

Luna rubeat ventat, pallor pluit, Alba ſereat.

♈ ♌ ♐ hote,
♉ ♍ ♑ earthy.
♎ ♒ ♊ wyndy.
♋ ♏ ♓ watry.

nature of the signe where the *Moone* is, at the chaunge, quarter, and full. If she be in hote & drye signes, as *Aries, Leo, Sagittarius*, in winter a good token of fayr weather: in somer, a great signification of immoderate heat: if in erthy, colde and drye signes, as *Taurus, Virgo*, and *Capricornus*, in wynter iudge colde, frost, and snow to ensue: but in somer temperate weather. In aery and wyndy signes, as *Gemini, Libra*, and *Aquarius*, muche wynd. If in watrye colde and moyst signes, as *Cancer, Scorpius*, and *Pisces*, in winter wett weather: in somer a pleasant temperature.

Also, the *Sunne* in *Aquarie*: the *Moone*, at the chaunge there, or in *Sagittarie*, or at the full in *Leone*: betokeneth rayne. The *Sunne*, in *Pisces*, or in *Aries*: the *Moone*, in *Virgo, Libra*, or *Sagittarie*: signifieth rayne, especially in watry dwellinges. The *Moone* in *Aquari*, or *Pisces*, looke for chaunge of weather: thē chiefly she troubleth the ayer. The *Moone* also at the chaunge, or rather at the full, in *Aries, Libra, Scorpius*, or *Pisces*, tempestuous weather folowith. The *Sunne* in *Aquari*, in *Aries, Libra*, or *Scorpio*, but chiefly in *Leone*: the *Moone*, then at the full, and that after raine or misslinges: looke for lightnyng, thundryng. &c. Also the *Sunne*, or *Moone* foūde in *Pisces*, without all helpe of *Mars*, it betokeneth aboundance of rayne, lightning, thunder. &c. To cōclude the *Moone*, in *Cancer, Leo, Capricornus*, or *Aquarius*, ayded with any aspect, but chiefly with the oppolition or quadrate of *Venus*, rayne folowyth.

The iudgement of weather by sterres.

Cum maiora apparent, tum enim Humore medius crassescit aer.

BEholde the sterres whose magnitude you knowe best. If they appeare of muche light, in bignes great, more blasing thē they are comonly, it be tokeneth great wynde or moysture in that part where they shewe: in wynter, colde and frost. When sterres seme to runne in the elemēt, it shewyth wynde. Affirme also alteration of weather if they be few in nūbre, cloudie, and of litel light. Further when dimme sterres appeare wyth long firie tayles, iudge wyndes, and great drougthe: the moe in nūbre, the greater effect. When sterres in the nyght (as it is sayd) shote, or seme to fall, it arguith wynde in that part: If in diuers places, inordinate wyndes: yf in all places, then pronounce Wyndes, Thunder, Lightnynges, yea weather most tempestuous.

for Euer.

The signification of Cometes

Cometes signifie corruptiō of the ayre. They ar signes of earthquakes, of warres, chaunging of kyngdomes, great derth of corne, yea a comon death of man, and beast.

De cometarū prodigiis, lege Cardanū. lib. 4. fol. 83.

How by the cloudes change of weather is perceaued.

IF thyck clowdes resemblyng flockes, or rather great heapes of woll, be gatherid in many places, they shewe rayne. Also whē grosse, thicke, darke clowdes, ryght ouer the northe part, or somwhat declining to the west, ar close with the earth, immediatly folowyth rayne. If they appeare lyke hylles, somedeale from the earth, a good token of weather ouerpassed. Blacke clowdes, signifie rayne: white clowdes apperyng in wynter, at the *Horizon*, two or thre dayes together, prognosticate colde, and snowe.

Of the raynebowe and his effect, touchyng alteration of ayer..

IF in the mornyng the raynebow appere, it signifieth moysture, onlesse great drouthe of ayer woorke the contrarie. If in the euening it shewe it self, fayr weather ensueth: so that aboundaunt moyste ayer take not awaye the effect. Or thus.

Arcus nisi sole aduerso non fiunt.

The rayne bowe appering, if it be fayr, it betokeneth fowle weather: if fowle, loke for fair weather. The grener, the moare raine: redder, wynde.

Non apparet nisi cum vapores rarificantur, vel inspissantur.

Of Thundres: what they signifie.

THundres in the morning signifie wynd: about Noone, rayn: in the euenyng great tempest. Sōme wryte (theyr grounde I see not) that Sonnedayes thundre shold brynge the deathe of learned men, Iudges, and others: Mundayes thundre, the deathe of women: Tuesdayes thundre, plentie of grayne: Wedensdayes thundre, the deathe of harlottes, and other blodshede: Thursdayes thūdre, plentie of shepe, & corne: Frydayes thundre the slaughter

Signum futurorum bellorum.

of a great man, and other horrible murders. Saterdayes thundre a generall pestilent plage, and great deathe.

How weather is knowne after the chaunge of euery Moone, by the prime dayes.

SVnday prime, drie weather. Mondaye prime moyst weather. Tuesday prime, colde and wyndie. Wedensday prime, wōder full. Thursday prime fayer and cleare. Fryday prime, myxte weather. Saterday prime, moyst weather.

Now ensuyth extraordinarie tokens for the knowledge of weather.

Commune tokens of weather, mete for all maner wyttes.

SOme haue obserued euil weather to folow, whā watry fowles leaue the sea, desiring lande: the foules of the lande flyeng hyghe: the cryeng of fowles about waters, makyng a great noyse wyth ther wynges: Also the sees swellyng wyth vncustomed waues: If bestes eate gredyly: if they lycke ther hooues: if they sodaynly moue here and there, makyng a noyse, brethyng vp to the ayer with open nostrels: rayne folowyth. Also the busy heuing of moules, the appering or cōming owte of woormes: hennes resorting to the p̄che or rest couered wyth dust, declare rayne. The ample woorkyng of the spinnar in the ayer: the ant busied wyth her egges: the bees in fayr weather not far wādring: the cōtinual prating of the crowe, chiefly twise or thrise quicke calling, shewe tempest. Whan the crowe or rauen gapith agaynst the sonne, in somer, heate foloweth. If they busy thē selues in proyning or washing, ād that in wynter, looke for rayne. The vncustomed noyse of pultrie, the noyse of swyne, of pecokes, declare the same. The swalowe flyēg and beating the water: the chirpinge of the sparowe in the morning, signifie rayne. Rayne sodaynly dryed vp: woody coueringes strayter then of custome: bells hearde further then comonli: the wallowynge of dogges: the alteration of the cock crowing: all declare rayny weather. I leaue these, wāting the good grounde of the rest. If the lernid be desirefull of the too forsayd, let them reade graue Virgil *primo Georgicorum At Bor.* &c.

Ther be a multitude of other not extraordinarie but of the best knowen

knowen causes: many for breuitie here omitted: the moare part not mencioned, because they passe the capacitie of the comon sort, vpon all the whiche the *Astronomer* dothe well and lernydly cõclude. I doubte not ther be also some time vnknowen maters, mitigatinge the aforesayde, or prouokyng tempestes vnloked for, whiche neather experience, ne learning hath stablisshed. How vnkynd (these considered) yea how far from woorthy thankes giuing are they, which in general heddily do blame, checkyng bitterly the *Astrologer*, with these iudiciarie maters, (the least part emong a nũbre of his most certayn doynges) whan thinges fortune contrarie to expectation? Vnderstande gentle reader: the cõsent of a multitude famously learnid is theyr buclar, euen in these maters iudiciari: who haue wayed a long time prudently, the great strengthe, the vehement force, and maruaylous natures, of all erratical and cœlestial cõstellatiõs, with theyr *Angles, Radiations, Aspectes, Affections, Stationes, Progressions, Defections, Dispositions, Applications, Preuentions, Refrenations, Contrarieties, Abscisions, Coniunctions, Quadratures*, and *Oppositions*. &c. Therefore extreme foly, yea mere madnes dothe he vtter, which imbraydeth or bacbiteth these knowleges, not remembring the great, and manifolde benefites, hadd through them, and that wyth most certentie in all other doynges.

What *Meteoroscoper*, yea who lernyd in maters astronomical, notith not the great effectes at the riling of the ster called the *Litell dogge*? Trewlie the consent of the best learnid do agree of his force: yea *Plinie*, in his historie of nature affirmeth the sees thẽ most fierce, wynes to flowe in cellars, standing waters to moue, dogges inclined to madnes then most wood. Farther these cõstellations, *Orion*, *Arcturus*, *Corona*, riling prouoke tempestuous weather: the *Kydd* and *Goate*, wyndes. *Hyades* or *Succulæ* rayne. What *Meteorologer* consentith not to the great alteration and mutation of ayer at the coniunction, oppolition, or quadrate aspect of *Saturne*, wyth eyther two lightes? Who is ignoraunt, yea meanly trauayled in *Astronomie*, that *Iuppiter*, wyth *Mercurie*, or wyth the *Swnne*, inforceth rage of windes? what is he that perceauith not the fearfull thunders, lightnynges, and raynes, at the meting of *Mars*, and *Venus*, or *Iuppiter*, and *Mars*? &c. Leaue for shame to impugne these iudicialles strongly authorised. He that any other part carpith may seme moare then madd, All trewthe, all experience, a multitude of infal-

Canis minoris efficatia.

Orionis, Arcturi, Coronæ, capræ, succularum effectus.

♄. ☌. □ & ☍ *cum* ☉ *aut* ☽.

♃. ☌. □ & ☍. *cum* ☿ *cum* ☉. *Aut* ☌ ☍ *cum* ♀ *vel* ☌ ♃ *cum* ☌.

lible grounded rules are agaynst hym. *Certum est omnibus qui notum, quod cœli motus, signorum ortus, & occasus, planetarum aspectus, & cõiunctiones, luminariũ eclypses. & ex certissimam, determinatam, ac infallibilem habent causam. Quis iam sanæ mentis negabit eorum effectus sæpe innotescere, vtpote bella, fames, grandines, aeris perturbationes, elementorum commotiones, terræ motus, & similia? Positis causis naturalibus, & non impeditis, sequitur effectus.*

The learned that lysteth ingeniously to ꝓgnosticate of weather, wyll not only discretly waye all before wrytten, but consider also with them the strẽgthe and Aspectes of the Planetes folowsng, ãd theyr Cõbustiõ in the. 12. Signes, with the Cõiũctiõs of fixed Sterris, Mãsions of the *Moone*, the Ascendẽt, Climes. &c. Also the times or quarters of the yeare must be notid diligẽtly, (as insueth) and iudgement accordingly pronounced.

Of the yere diuided in foure quaters.

♈ ♉ ♊ *power of the brest.*

♋ ♌ ♍ *power ouer yelow colors.*

♎ ♏ ♐. ♑ ♒ ♓ *power ouer al flumes.*

THe spryng tyme is hott, and moyste: and continueth so long as the *Sonne* is in *Aries*, *Taurus*, and *Gemini*: which is from the tenthe of *Marche* vnto the twelfthe of *Iune*. The somer is hott and drye, compted from the begynnyng of *Cancer*, to the ende of *Virgo*, that is, from the twelfthe of *Iune*, to the fourtenthe of *September*. Harueſt is colde and drie: that is from the beginning of *Libra*, vnto the ende of *Sagittarie*: compted from the. xiiij. of *September* to the twelfthe of *December*. Wynter is colde and moyst: continued from the begynning of *Capricornus*, to the ende of *Pisces*: that is from the twelfthe of *December*, to the tenthe of *Marche*.

Now folowe the aspectes of the planetes, for the better iudgemẽt of weather. Before I declare of planetes, and the signification of aspectes, it behoueth brefly to open what I cal planetes, and what aspectes, and howe they are charactered and figured. Vnderstõde ther be seuẽ moueable sterres, pleasant to the light, called planetes. The hygheſt *Saturne*. ♄. Thẽ *Iupiter*. ♃. *Mars*. ♂. *Sonne* ☉. *Venus*. ♀. *Mercurie* ☿. and the *Moone* ☽ next to the earth. Now when I desier to expresse *Saturne*, I wryte this figure ♄: for *Iupiter*, this ♃: For *Mars*, this ♂. Thus of the others as theyr characters declare. All radiatiõs or aspectes ar expressed as folowe. A Cõiunction thus figured ☌: and it is, when an other planet is ioyned with the *Sonne*, or *Moone*, or others emonge them selfes, wyth in one degre, or

lesse.

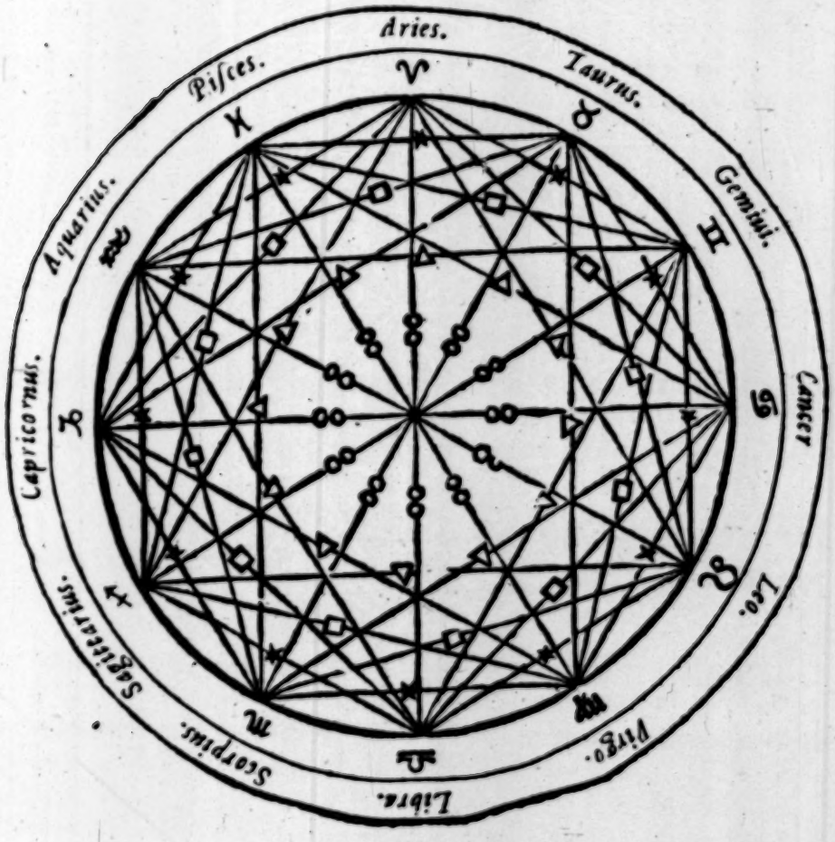
leſſe. The Sextile aſpecte or radiation is thus expreſſed ✱ : and it is with in 60. degrees thone frō the other. The Quadrate aſpecte thus □ : 90 digres diſtant. The Trine thus △ : ſeparated. 120. degres. The Oppolition thus ☍ : 180. degrees, thone diſtant from thother. Loe here they folow in order: the characters of the Planetes: and Signes alſo.

☌	✱	□	△	☍	
Coniunction,	Sextile,	Quadrat	Trine,	Oppoſition	Aſpectes.

♄	♃	♂	☉	♀	☿	☽	
Saturne,	Iupiter,	Mars,	Sonne	Venus	Mercurie	Moone	Planetes.

♈	♉	♊	♋	♌	♍	
Aries	Taurus	Gemini	Cancer	Leo	Virgo	
♎	♏	♐	♑	♒	♓	Signes.
Libra	Scorpius	Sagittarius	Capricornus	Aquarius	Piſces	

Yet for more playneſſe beholde this figure.



The signification of aspectes of planetes emong them selues: for the iudgement of weather.

♄ ☌, cum ♃ THe coniunction or meting of *Saturne* wyth *Iuppiter*, in firie signes, inforceth great drouthe: in watry signes, fluddes, continuall rayne, general ouerflowynges. &c. in aery signes, plenty of wyndes. The quadrature, sextile, or oppositiō of *Saturne*, wyth *Iuppiter*, in moyst signes cawsith troubled ayer, by hayle, wynde, rayne, thunder, &c. before and after.

♄ ☐ ✱, & ☍, cum ♃

♄ ☌ ☐, & ☍, cum ♂ The coniunction, quadrature, or oppositiō, of *Saturne*, with *Mars*, in watry signes, declare in somer, rayne, often shoures, wyth hayle, thunder and lightnyng.

♄ ☌ ☐, & ☍, cum ☉ The coniunction, quadrature, or oppositiō of *Saturne*, wyth the *Sunne*, chiefly in colde signes, shewe darke weather, hayle, rayne, thunder, and colde dayes.

♄ ☌ ☐, & ☍, cum ♀ The cōiunction, quadrature, or oppositiō of *Saturne*, wyth *Venus*, in wynter, engender colde and rayne, principaly in moyst signes: in summer, mitigation of heat.

♄ ☌, ☐ & ☍, cum ☿ The coniunction, quadrature, and oppositiō of *Saturne*, wyth *Mercurie*, in watry signes bryng rayne: in hott or drie signes, drouth: in summer, thunder, lightnynges, and tempest.

♃ ☌, ☐ & ☍, cum ♂ The coniunction, quadrature, or oppositiō of *Iuppiter*, wythe *Mars*, in moyst signes, declare thunders lyghtninges, and rayne: in wynter, snowe, or clowdie thycke weather.

♃ ☌, ☐ & ☍, cum ☉ The coniunction, quadrature, or oppositiō of *Iuppiter*, with the *Sunne*, great and most vehement wyndes.

♃ ☌, ☐ & ☍, cum ♀ The coniunction, quadrature, or oppositiō of *Iuppiter*, wythe *Venus*, in moyst signes, colde and myslinges: in the rest signes, fayr weather.

The

for euer.

The coniunction, quadrature or oppoſition of *Iuppiter*, wythe *Mercurie*, great wyndes. ☌ ☌ □ ☍ ☍, *cum* ☿

The coniunction, quadrature or oppoſition of *Mars*, wyth the *Sunne*, in firie ſignes, drouth: in watry, thunder, rayne. ♂ ☌, □ ☍ ☍, *cum* ☉

The coniunction, quadrature or oppoſition of *Mars*, with *Venus*, in moyſt ſignes, rayne, and tempeſt. ♂ ☌ □ ☍ ☍, *cum* ♀

The coniunction, quadrature or oppoſitiõ of *Mars*, wyth *Mercurie* in hot ſignes, great heate: in drye ſignes, drouth: in watrie, rayne: ſometimes thunders, lightninges, wyth ſodayn fierce wyndes. ♂ ☌ □ ☍ ☍, *cum* ☿.

The coniunction, quadrature or oppoſition of *Venus*, wyth *Mercurie* cauſeth rayne: in ſomer thy prouoke tempeſt, the more if they agre in watry ſignes. Note what is ſayde of the coniunctiõ, quadrature or oppoſitiõ, the ſame is alſo ment of the Sextile and Trine: but they are of leſſe ſignification, ſo the lernid noteth. ♀ ☌ □, ☍ ☍, *cum* ☿

A declaration of weather by aſpectes of the Moone wyth planettes.

THe coniunction quadrature or oppoſition of the *Moone*, wyth *Saturne*, in moyſt ſignes, bryngeth a cloudy day, cold ayre, according to the nature of the ſigne: if ſhe go from *Saturne*, to the *Sunne*, by coniunction or other wyſe, harder weather enſueth. ☽ ☌ □, ☍ ☍, *cum* ♄

The coniunction, quadrature or oppoſition of the *Moone* with *Iupiter* in *Aries*, or *Scorpio* ſhewe th fayre, white diſperſed cloudes. ☽ ☌ □, ☍ ☍, *cum* ♃

The coniunction, quadrature or oppoſition of the *Moone* with *Mars* in watry ſignes rayne: in hote ſignes, diuers coloured red cloudes are made, all the element ouer: in ſummer, often thunder. ☽ ☌ □ ☍ ☍ *cum* ♂

The coniunction, quadrature or oppoſition of the *Moone* with the *Sunne* in moyſt ſignes, rayny weather: the more if the *Moone* go from the *Sunne* to *Saturn*. ☽ ☌ □ ☍ ☍ *cum* ☉

☽ ☌ ☐ ☍ ☌ ☿ The coniunction, quadrature, or oppolition of the *Moone* wyth *Mercurie*, in moyſt lignes ſheweth rayn and wynde, the more when the *Moone* paſeth from *Mercurie* to *Iuppiter*: then great wyndes folowe.

How wether is iudged by the Oriental and Occidental ſtation of Planetes, with their combuſtion in the .12. ſignes celeſtiall.

Fyrſt of the planetes in Aries.

♄ *in* ♈. *Vvhat theſe termes cõbuſt Orientall, and Occideutal, meane.*

SATVRN in *Aries*, vnder the beames of the *Sunne*, that is to ſaye, combuſt, maketh a cloudy darke troubled ayre: Oriental, I meane in the morning apperyng before the *Sunne*, fayre wether: Occidental, that is to ſay, ſhewyng hym ſelf after the *Sunne* goyng doune, betokeneth great wyndes.

♃ *in* ♈ *Iuppiter* in *Aries* combuſt, a token of rayn: beyng Occidental, it bringeth cloudes, and dewes: Oriental, fayre, pleaſant wether.

♂ *in* ♈ *Mars* in *Aries* combuſt and Occidentall, good wether: contrarie Oriental.

♀ *in* ♈ *Venus* in *Aries* combuſt, Occidental moyſtnes, great wyndes: Oriental thunders, and raynes.

☿ *in* ♈ *Mercurie* in *Aries* combuſt tempeſt, Occidental, and Oriental, fayre wyndy wether.

Of the planetes in Tauro.

♄ *in* ♉ SATVRN in *Tauro* cõbuſt, and ſtationarie, bringeth thicke cloudes, thunders, and trobleſome wether.

♃ *in* ♉ *Iuppiter* in *Tauro* combuſt, indifferent wether: Occidental, pleaſant ſhoures.

♂ *in* ♉ *Mars* in *Tauro* combuſt, a quiet ayre: but Oriental wyndye.

♀ *in* ♉ *Venus* in *Tauro* combuſt thunders, &c. Occidental fayre.

Of the

for Euer.

Of the planetes in Gemini.

SATVRN in *Gemini* combuſt, and Occidental, drouth. ♄ *in* ♊

Iuppiter in *Gemini* combuſt, a good ſignification. ♃ *in* ♊

Mars in *Gemini* combuſt and Occidental, heat. ♂ *in* ♊

Venus in *Gemini* combuſt Occidental, wynde. ♀ *in* ♊

Mercurie in *Gemini* combuſt, wynde. ☿ *in* ♊

Of the planetes in Cancer.

SATVRN in *Cancer* combuſt, darke wether, great wyndes and trobleſome wethers: Occidental calmer. ♄ *in* ♋

Iuppiter in *Cancer* combuſt bryngeth calme pleaſaunt wether. ♃ *in* ♋

Mars in *Cancer* combuſt, great heat. ♂ *in* ♋

Venus in *Cancer* combuſt, a quyet calme tyme. ♀ *in* ♋

Mercurie in *Cancer* combuſt, tempeſtuous wether, chiefly on the ſea: Occidental calmer. ☿ *in* ♋

Of the planetes in Leone.

SATVRN in *Leone* combuſt, maketh wyndes and myſſlynges. ♄ *in* ♌

Iuppiter in *Leone* combuſt, pleaſant wyndes. ♃ *in* ♌

Mars in *Leone* combuſt, Occidental, drouth. ♂ *in* ♌

Venus in *Leone* combuſt, drouth. ♀ *in* ♌

Mercurie in *Leone* combuſi, wyndes. ☿ *in* ♌

Of the planetes in Virgine.

SATVRN in *Virgine* combuſt, is a ſignificator of infirmities. ♄ *in* ♍

♃ in ♍ *Iupiter in Virgine* combuſt, manifeſteth abundaunce of thinges.

♂ in ♍ *Mars in Virgine* combuſt, like vnto *Saturn*.

♀ in ♍ *Venus in Virgine* combuſt drouth: Oriental contrarie.

☿ in ♍ *Mercurie in Virgine* cōbuſt, drougth, ragyng ſees: Occidēral drouth.

Of the Planetes in Libra.

♄ in ♎ SATVRNE *in Libra* combuſt, ſheweth infirmitie of light: Oriental, colde wyndes.

♃ in ♎ *Iupiter in Libra* combuſt, indifferent wether.

♂ in ♎ *Mars in Libra* combuſt, bryngeth moyſture.

♀ in ♎ *Venus in Libra* combuſt, moyſt ayre.

☿ in ♎ *Mercurie in Libra* combuſt, wyndes.

Of the Planetes in Scorpione.

♄ in ♏ SATVRN *in Scorpio* combuſt, colde ayre: Occidental froſt: Oriental colde, North wyndes.

♃ in ♏ *Iupiter in Scorpio* combuſt rayne: Occidental, bitter wether.

♂ in ♏ *Mars in Scorpio* combuſt, declareth moyſture: Oriental, wyndes.

♀ in ♏ *Venus in Scorpio* combuſt rayne, both Occidental and Oriental.

☿ in ♏ *Mercurie in Scorpio* combuſt, ragyng wether, chiefly Oriental.

Of the Planetes in Sagittario.

♄ in ♐ SATVRN *in Sagittario* combuſt, colde, rayny ayre: Orientall colde and froſt.

♃ in ♐ *Iupiter in Sagittario* combuſt, [illegible] rayne: Oriental wors wether.

♂ in ♐ *Mars in Sagittario* combuſt, drouth.

♀ in ♐ *Venus in Sagittario* combuſt, rayne: Occidental, wynd, and colde.

☿ in ♐ *Mercuri in Sagittario* combuſt rayne: Occidental, clere ayre.

Of the

Of the Planetes in Capricorno.

SATVRN in *Capricorno* cõbuſt, ſignifieth darke wether with South wyndes: Occidental colde: Oriental North wyndes. ♄ in ♑

Iupiter in *Capricorn* cõbuſt moiſt ayr: Occidental, increaling theſame. ♃ in ♑

Mars in *Capricorn* combuſt, cloudye: Occidental ſome heat. ♂ in ♑

Venus in *Capricorn* combuſt, colde ayre: Oriental rayne. ♀ in ♑

Mercurie in *Capricorn* combuſt rayne, both Oriental and Occidẽtall. ☿ in ♑

Of the Planetes in Aquario.

SATVRN in *Aquario* combuſt colde ayr: Occidental daungerous ſees: Oriental rayn. ♄ in ♒

Iupiter in *Aquario* cõmbuſt, Occidental rayn. ♃ in ♒

Mars in *Aquario* combuſt drouth: Occidental and Oriental plenty of wyndes. ♂ in ♒

Venus in *Aquario* cnmbuſt, cloudye: Occidental hote: Oriental rayn. ♁ in ♒

Mercurie in *Aquario* combuſt, ſnow: Occidental more colde: Oriental rayn. ☿ in ♒

Of the planetes in Piſces.

SATVRN in *Piſce* combuſt, bringeth cloudes: Occidentall rayne. ♄ in ♓

Iupiter in *Piſce* combuſt, Oriental, calme waters. ♃ in ♓

Mars in *Piſce* combuſt, Occidental, drouth: Oriental lightning, and thunders. ♂ in ♓

Venus in *Piſce* combuſt, colde: Occidental diſpoſed to ſnowe. ♁ in ♓

Mercurie in *Piſce* combuſt, moyſt ayre. ☿ in ♓

Thus much of the iudgement of weather.

A general Prognostication.

SEYNGE that I haue now ſufficiently declared howe, by what rules and tokens, weather is iudged: I thinke it conueniēt to adioyne here a brefe collection, how *Plentie, Scarſitie, Sickues, Death, Alterationes, Troubles, warres, &c.* are for euer perceaued.

A rule to prognoſticate the aforeſayd, by the fal-lyng of Newyears daye.

Sondaye. IT is affirmed of ſome, when *Newyears* daye falleth on the *Sūdaye*, then a pleaſant Wynter dothe enſue: a natural Sommer: fructe ſufficient: Herueſt indifferent, yet ſome wynde and rayne: many mariages: plentie of wyne and honye: death of yonge men, and cattel: robberies in moſt places: newes of prelates, of Kynges: and cruell warres in the ende.

Mondaye. On *Mondaye*, a wynter ſomwhat vncōfortable: Sommer temperate: no plentye of fructe: many fanſies and fables opened: Agues ſhall reygne: Kynges and many others ſhal dye: mariages ſhalbe in moſt places: and a commen fall of gentle men.

Tewesday. On *Tewesdaye* a ſtormy Wynter: a wete Sommer: a diuers Herueſt: Corne, and fructe indifferent: yet herbes in gardens ſhall not floriſhe: greate ſickenes of men, women and yonge chyldren: Beaſtes ſhal hunger ſterue, and dye of the botch: many ſhyppes, Galleys, and Hulkes, ſhalbe loſt: and the bloudy flixes ſhall kyll many men: all thynges dere, ſaue corne.

wednesdaye, On *wednesdaye*, Lee a warme Wynter: in the ende ſnowe and froſte: a cloudye Sōmer: plentye of fructe, of corne, Haye, Wyne, and Honye. greate payne to women with chylde, and death to infantes: good for ſhepe: newes of Kynges: great warres: battell and ſlaughter towarde the myddes.

Thursdaye. On *Thurſdaye*, Wynter and Sommer wyndye: a raynye Herueſt: therefore we ſhall haue ouerflowynges: muche fructe: plēty of Honye: yet fleſhe ſhalbe dere: Cattell in generall ſhall dye:

greate

greate troble, warres &c: With a licentious lyfe of the feminine ſexe.

On *Fridaye*, Wynter ſtormy: Sommer ſcante pleaſante: Herueſt indifferent: litle ſtore of fructe, of Wyne, and Honye: Corne dere: many bleare eyes: youthe ſhall dye: Earthquakes are perceaued in many places, plentye of thunders, lyghtnynges, and tempeſtes: with a ſoden death of cattell, *Fridaye.*

On *Saterday*, a mean Wynter: Sõmer very hote: a late Herueſt, good cheape garden herbes: muche burninge: plentye of Hempe, Flaxe, and Honye: olde folke ſhall dye in moſte places: Feuers and Tertians ſhall greue many people: greate mutteringe of warres: murders ſhalbe ſodenly committed in many places, for lyght matters. *Saterdaie.*

NOw that I haue opened dyuers wayes, bothe for the learned and vnlearned, howe wether to come at all tymes maye be well iudged and knowen &c: I thoughte it mete, for farther knowledge therein, not to omitte here, the naturall cauſes of ſuche and ſo many alterations of ayre. Loe, therefore orderly they folowe.

Naturall cauſes, conducynge to all the aforeſayde, euer to be had in memorie of the wyſe: and fyrſt of the Raynbowe.

THe Raynbowe is the ſhynyng, and rebounding of beamys of light, that tourne to the contrarie vapour agayne, in the cloude. It declareth ſometyme rayne, and many tymes fayre wether: when the one, and how the other, is before opened.

Of Rayne.

Rayne

Quare lapides pluãt, lege Pli. lib. 2. Ca. 44.

RAyn is a colde vapour. an erthy humour: or fumosities, out of waters or earth drawen vp by the vertue of the Sunne, to the nether part of the middle space of the ayre: there through colde thycked, then dissolued: thus engendred falleth on the earth. Here I leaue to speake of miraculous raynes, as Mylke, Blud, Flesh, Yern Woll, &c. For more satisfieng in these, reade *Plinius* in the second boke. 58. Chapter.

Of Frost and Dew.

Ros et flatæ, pruina hieme fit.

A Colde moyst vapour, a litle waye drawen vp in the day, thorow fayne heat of the *Sunne*, descendeth in the night, dissolued on the earth, there congelated, or resolued in to water, the one called Frost, the other Dew. The last is a signe of fayr wether, in the spryng or Harueſt.

Of Snowe.

Nix humor modice concretus.

IT is a moyst vapour, drawen vp to the middle region of the ayre, then thycked, and frosen into the body of a cloude. So congelated, descendeth.

Of Hayle.

Grando, pluuia in discẽsu congelata.

A Cloude resolued into water, in the fall congelated, maketh Hayle. The hyer it commeth from aboue, and the longer it tarryeth in the ayre, the rounder hayle.

Of wyndes.

Ventorũ ergo materia, calida & ficca exhalatio.

VVynde is a multitude of drye exhalations, drawen vp frõ the earth: and aboue the earth, enforced here and there.

Of earthquakes, in the most quyet tyme.

Quemadmodũ in nube tonitruũ, sic in terra tremor.

PLentye of wyndes, entred into holes, cones, or caues of the earth, whiche absent from aboue the earth, causeth quietnes: the violent brustyng oute of them (the earth closed agayne) is the earth-

earthquake: *Signum est futurorum bellorum.*

Tokens of earthquakes to come.

A Fyry cloude, appering in the element, like a litel pyllar, is a token of earthquakes to come. The obscuritie or darknes of the Sunne, without cloudes, and straungely coloured, blouddy or otherwyse, is a token of earthquakes. *Signa terræ motus.*

Also, when Well water and others are troubled, or salt, or infected by sauour &c.

A great quyetnes of ayre, by lande and sea, and chiefly the long absence of wyndes.

Also, straunge noyses herde, as clamours of men, russhynge of harnes, mourninges, lamentations &c. All these haue bene obserued, to signifie earthquakes at hande.

Of Thunders and lightninges.

THunder is the quenching of fyre, in a cloude. Or thunder is, an exhalation hote and drye, myxte with moysture, carryed vp to the middle regiõ, there thycked and wrapped into a cloude: of this hote matter, coupled with moystnes, closed in the cloude, groweth a stryfe, the heat beating and breakyng out the sydes of the cloude, with a thundringe noyse: the fyre then dispersed, is the lightnynge. Thus for the lerned: *Tonitruum sonitus est, qui editur quãdo nubem rumpit halitus. Fulmen flamma vel repẽtinus est ignis, qui ex collisione nubium, aut ruptura nascitur.* Aristotele affirmeth the lightnyng after the thunder: but the fyre doth fyrst appere, in that the sight is before the hering. If this satisfie not, reade the second of hys Meteoron. Here foloweth a note of lightninges. *Fulgetrum prius cerni, quam tonitrũ audiri, cũ simul fiant, certum est, Pli. lib. 2. Ca. 56. cõtra Aristo.*

There be thre kyndes of lightninges, drye, moyst and clere.

DRye do not burne, but cleare, depart, or diuide. Moyst burne not, but alter colour. The clere are of maruelous natures. Full barels by it are emptied. It melteth mony in the purs, it breaketh the swerde, the purs and scaberd not perisshed, yea, wex in them vnmolten. *Note.*

Of the Cometes, or flames in the night.

Ventorũ causa A Comet is a flame, working in a drye, hote, slymye exhalation, drawẽ vp to the hyest part of the ayre. His mater or substance after it is brent, dispersed prouoketh wyndes.

The natural cause of the Sunne eclypsed.

NOthing els is the Eclips of the *Sunne*, but the direct putting the body of the *Moone*, betwene the *Sunne* and the earth, or betwene our sight and the *Sunne*: which chaunceth onely at the change.

A Corollarie.

Miracle, BY this gather the darkenes at Christes death, not to stande by naturall ecliptical cause: but by supernatural, or miracle. For it was at the ful *Moone*, the scriptures witnes: which enforced *Dionysius Areopagita*, at the tyme of his passion, to speake thus: *Aut Deus naturæ patitur, aut mundi machina dissoluitur.*

The cause of the Moone eclipsed.

Vniuersalis est Eclipsis Lunæ Nõ semper in nouilunio, sed in ca, et cauda

THe *Sunne* beyng in the centrarie poynt to the ful *Moone*, enforceth the shadowe of the earth, then directly put betwene the *Sunne* and the *Moone*, towardes the *Moone*, hyding more or lesse of the *Moone*, as she differeth from the Ecliptical. Some obserue pestilent plagues, sodayn batayl, great dearth, to ensue these eclypses: which all I desire God to auert from his chosen. Many other thinges by this Eclips are gathered, as *Longitudes* of countreys: the *quantitie* of the *Sunne*, contayning the bignes of the earth 162 times: the *compasse* of the earth 21600. myles: whose *thycknes*, accordinge to *Archimedes* rule is, 6872 myles and ⅞ eleuenthes of a myle. The quantite of the *Moone* is the 43 part of the earth. The *Sunne* contayneth the globe of the *Moone* 7000 tymes. *Saturnus* comprehendeth the bignes of the earth 91 tymes. *Iupiter* 95 tymes. *Mars* 1 and 10. sixtenthes. *Venus* one 37 part. *Mercurius* on 32000 parte of the earth. Note here, that *Alfraganus* affirmeth the least fixed sterre, perfectly sene, as bygge, as the whole earth.

Omniũ planetarũ ad terrã magnitudo.

Hæc incredibilia vidẽtur tãtũ his, qui mathematicis demõstrationibus nõ assueuerunt, &c.

Hæc non

HÆc non erunt admirationi, si globi capacitatem ex longitudine diametri quæsieris. Continet enim solis dimetiens terræ dimetientem quinquies & semissem. Estq; proportio diametri solis ad terræ dimetientē, quæ est numeri vndecim ad duo, quintupla sesquialtera. Cubus solis mille tercentū vnā & triginta partes tales continet, cuiusmodi terræ cubus octonas complectitur. Cubus enim numeri vndecim, est mille tercentū vnū & triginta. Cubus vero binarii, qui est terræ, octo. Subducto quoties id fieri potest, minore cubo' qui est terræ, à maiore qui est solis, cognoscitur cubi ad cubum proportio, & quanto Sol maior, terra sit. Inuenimus ergo octo centies, lexagies sexies, in mille tercentum vno & triginta.

Dimetiens ☉ ad terræ dimetientē 11 ad 2.

Cubus ☉ 1331 Terræ. 8.

¶ Terræ Diametros Lunæ dimetientē cōplectitur ter, & duas eius diametri portiones quintas. Estq; ea proportio, dimetientis terræ ad Lunæ diametrum, quæ est septen decim ad quinq; tripla superbipartiens quintas. Cubus numeri septendecim, quater mille nongenta tredecim. Cubus numeri quinq;, est centum viginti quinq;. Maiore cubo per minorem distributo, reperimus numerum cētum viginti quinq;, tricies nouies in quater mille nongētis tredecim: quod paululum à superioribus obseruationibus differt.

Dimetiēs terræ ad diam: ☽. 17, ad 5. Cubus terræ 4913. Cubus ☽ 125.

How many myles the Moone is from the earth: and euery planet from other.

AS some haue published, it is from the earth to the *Moone*. 15750. myles.

From the *Moone* to *Mercurie*, is 12812. myles.

From *Mercurie* to *Venus*, as many myles.

From *Venus* to the *Sunne*, is 23437. myles, and a half.

From the *Sunne* to *Mars*, is 15725. myles.

From *Mars* to *Iupiter*, is 78721. myles.

From *Iupiter* to *Saturne*, as many myles.

From *Saturne* to the firmament 120485 myles.

The whole summe from the earth to the firmament is, 280734. myles, and a half.

The natural causes of many Sunnes or Moones.

THese come to passe, when a thicker cloude is gathered toward the side of the *Sunne* or *Moone*: in the which the broken beames of the *Sūne*, do leaue the fashiō and very form of that *Sūne*. The first is the very *Sunne*: the second and thirde come of the breaking of the *Sunne* beames in the cloude, on the side of the *Sunne*. Thus as foloweth, sayth *Plinius* in his second boke, of the historie of nature, and 31. Chapter. No moe *Sunnes* are perceyued in our tyme then thre: and they are neuer sene, eyther aboue or beneth the *Sunne*, but on the sydes: neuer in the night, but onely at the *Sunne* rylinge, or goynge doune.

Milichius noteth the kyng of Pole to haue sene. 6 Sunnes at ones.

What is to be chosen or auoyded, vnder euery aspect of the moone: with her signification, in the .xii. signes, touchyng the same.

♄ ☌ □ vel ☍ cum ☽ THE coniunction, quadrature, or oppositio of *Saturne* wyth the *Moone*, causeth an euel vnlucky daye, for all maters. Leaue therfore to haue to do any maner waye: nothinge shall prosper, or come well to passe then attempted. Yet the sextile or Trine of

♄ ✱ & △ cum ☽ *Saturne*, with the *Moone* declareth a conuenient tyme to tyll, delue or dygge, to sowe, to laye fundacions, to erect or repayre houses, yea,

☽ in ♑ vel ♒, a mete tyme to obtayne sutes of fatherly farmours. The *Moone* in *Capricorn* or *Aquario*, bringeth this later effect of the sextile and trine.

♃ ☌, ✱ △ □ vel ☍ cum ☽ The coniunction, sextile, trine, quadrature, or oppositio of *Iupiter* with the *Moone*, sheweth a fortunate daye, chiefly to obtayne sutes of Kynges, noble Princes, Prelates &c, of Lawyars, and Religious persons: and a mete tyme to study, to iorney, to take an honest mater in hande. The *Moone* in *Tauro*, in *Leone*, or *Sagittario*,

☽ in ♉, ♌ vel ♐. sheweth thesame.

♂ ☌, ✱ △ □ or ☍ cum ☽. The coniunction, sextile, trine, quadrature or oppositio of *Mars* with the *Moone*, warneth thee not to match thy self that daye with warryours: notwithstandinge very good, and most mete to finisshe all maner fyry workes: naught to iorney: yet most conuenient for valiaunt captaynes, to worke their feat, to leade, encourage, or stomache their souldiars: moste vnmete to treat peace, to take seruauntes, or to seke frendshyp.

☉ ☌, □, vel ☍ cum ☽ The coniunction, quadrature or oppositio of the *Sunne* wyth the *Moone*, declareth a very vnhappy daye, for all maters: therefore attempt nothyng, ne any maner sute: neither plant, buylde, ne iorney. Yet the sextile and trine ar very fortunate, specially to obtain

☽ in ♈ sute of Kynges, Princes, and other Nobles. The *Moone* in ♈ enforceth the effect of this later part.

♀ ☌, ✱, △ □ vel ☍ cum ☽. The coniunction, sextile, trine, quadrature, or oppositio of *Venus* with the *Moone*, causeth a daye most apt to obtayn all sutes of women:

women: good to woo, to attempte mariage, and to folow all maner pleasures, and plesaunt pastymes: not vnmete to hyre seruauntes, to let blud &c. The *Moone* in *Libra* or *Pisces*, prouoketh the lyke. ☽ *in* ♎ *vel* ♓

The coniunction, sextile, trine quadrature, or oppositon of *Mercurie* with the *Moone*, promiseth a fortunate happy daye, to bye and sell: very good to enter chyldren in liberal artes: an apt tyme for the verifiar: good to vse marchaundise, to iorney, to send embassage, to geue accomptes, and suche lyke. ☿ ☌, ✶, △, □, *vel* ☍ *cum* ☽

The *Moone* in *Gemini*, *Cancer* or *Virgo*, enclyneth euen to thesame aforesayde. ☽ *in* ♊, ♋ *vel* ♍.

The *Moone* with the Dragons head, sheweth a lucky daye for all maters: with the tayle ioyned, contrarie. ☽ *cum* ☊

Now ensueth a Table shewing what signe the Moone is in, and shal be for euer: declaring also the meetest tyme to let bludde, to pourge, and to bathe.

THIS Table folowing, hath at the head seuen titles. The fyrst monethes: the second dayes: then the prime: the xii. signes: the titles to let bludd, to pourge, and to bathe. Here it is to be noted, that those dayes are good for these purposes, which be signed with this letter G: and those euel dayes, that are noted with B. Now ensueth the Table, and the whole vse of it, and fyrst for the signe, where the *Moone* is.

¶ This Table declareth for euer, in vvhat signe the Moone is, or shalbe at any day in the yeare. It serueth also very vvel to let bludde, to purge, and bathe.

Monethes.	Daies.	Prime	The 12. Signes.	To let bludd.	To purge.	To bathe.
Febr. Nouẽ	1	3	Aries.	G	B	G
Marche.	2		Aries.	G	B	G
	3	14	Taurus.	B	B	B
Decẽbre.	4	6	Taurus.	B	B	B
	5		Gemini.	B	G	
Aprile.	6	17	Gemini.	B	G	
	7	9	Cancer.		G	G
Maie.	8	1	Cancer.		G	G
	9		Cancer.		G	G
	10	12	Leo.	B	B	G
	11	4	Leo.	B	B	G
Iune.	12		Virgo.	B	B	B
	13	15	Virgo.	B	B	B
Iuly.	14	7	Libra.			
	15		Libra.			
	16	18	Scorpius		G	G
	17	10	Scorpius		G	G
Augriſte	18	2	Scorpius		G	G
	19		Sagitta.	G		G
	20	13	Sagitta.	G		G
	21	5	Capri.	B	B	B
Septembre	22		Capri.	B	B	B
	23	23	Aquari			G
Ian. Octo.	24	24	Aquari			G
	25	25	Piſces.		G	G
	26	26	Piſces.		G	G
	27	27	Piſces.		G	G

How to fynde by this Table, the ſigne where the Moone is for euer.

SEke oute vnder the titles of the monethes, the name of the moneth, whoſe daye you muſt looke oute, right agaynſte the moneth, vnder the title of dayes: and there begynne to tell doune wardes, *one*, *two*, *thre*, &c. to the ende, if it ſo requyre. And then from the beginning, if nede be, vntill you haue reconed the numbre of the daye that you ſeke. Loke what numbre it falleth vpon in this table, vnder the title of dayes: that numbre kepe in mynde. Then ſeke vnder the title of the prime, the golden numbre for that year: right agaynſt that leſtward, vnder the title of dayes, begyn to tell doune wardes, *one*, *two*, *thre*, *foure*, &c, vntill you haue reconed the numbre, whiche you did kepe in mynde. Agaynſte that doune-wardes, on your right hande, vnder the title of *Signes*, is the ſigne wherein the *Moone* ſhalbe that daye. Euē then vnder the other titles, ye ſhal fynde in right e order, for *lettinge bludde*, for *pourginge*, and *bathinge*, according as they be noted with G. whiche is good, and B. ſignifieng badde. Enſample. The ſixt daye of *Marche* in the yeare of oure Lorde 1555, I deſyre to knowe what celeſtiall ſigne the *Moone* dothe then occupie. I fynde fyrſt the name of the *Moneth*, that is, *Marche*: and the daye as foloweth, in the next ordre of this table. I begynne here to tell, right agaynſte my moneth, at the figure of. 2. ſayeng: *one*, *two*, *thre*, &c. ſo I haue at the ende, and compte of ſyx dayes this figure 7. which I kepe in mynde. Nowe I muſt ſeke oute the *golden numbre*, for the yeare aforeſayde, vnder the title of the prime here, that is 17: agaynſt the whiche, on the left ſyde is 6. There you muſt begynne agayn to compte, *one*, *two*, *thre*, &c. vntill you come vnto your numbre 7. So on youre right hande, in the rowe, or order, you ſhall ſee *Virgo*, the celeſtial ſigne, that the *Moone* is in: and after that theſe thre letters, b, b, b, whiche declare badde or euell to let bludde, to pourge or bathe, agreable to the titles in the head. G, there had ſignified good.

To know what the Moone diffcreth from the Sunne.

MVltiplie the age of the *Moone*, by 4, and deuide by .10: the quotient sheweth the signes, that the *Moone* differeth frome the *Sunne*: the remayne augmented by .3, bryngeth degrees to be added.

Nowe shall folowe, what dayes in euery moneth are vnmete to let bludde, daungerous to suffre woūding, perillous to fall sicke, deathly to iourney, euell to marrye, and naught to take any mater in hande. The whole yeare after this compte folowinge, hath .33. euell dayes.

The yeare hath .xxxiii. euyl dayes, generall for euer.

IANVARIE hathe eyghte suche dayes, the .i, the .ij, the iiij, the .v, the .x, the .xv, the .xvij, the .xxix. Drynke whyte wyne this moneth.

Februarie hath thre dayes, the .viij, the .x, the .xvij: these not so euell, the .xxvi, the .xxvij, the .xxviij. Eate no potage of okes, or malowes: they are venemous.

Marche thre dayes, the .xv, the .xvi, the .xix: this not so euell, the xxviij. daye. This moneth, all swete meates are good.

April two dayes, the .xvi, the .xxi: these not so euell, the .vij, the viij, the .x, the .xx. Vse hote meates, of light digestion.

Maie thre dayes, the vij, the .xv, the .xx: these not so euell, the iij, the .vi. Ryse early, and vse breakefast.

Iune two, the .iiij, the .vij: these not so euel, the .x, the .xv, the .xxij. Sage and lettuse are good to eate. Colde water fastinge hurteth not.

Iulie two dayes, the, xv, the .xx. Abstayne from carnalitie.

August two dayes, the .xix, the .xx: these not so euel, the first, the xxix, the .xxx. It hurteth not to abstayne frō potage, and all hote meates, and drinkes of spicerie.

September two dayes the .vi, the .vij: these not so euell, the .iij, the iiij, the .xxi, the .xxij. Eate good fruyte.

October

Profitable rules.

Octobre one daye, the vi: these not so euel, the. iij, the. xvi, the xxiij. Good wyne is wholsome this moneth.

Nouember two dayes, the. xv, the. xix: these not so euell, the. v, the vi, the. xxviij, the. xxix. Blede not.

Decembre thre dayes, the. vi, the. vij, the. ix: these dayes not so euell, the. xv, the. xvij, the. xxij. Blede not ouer muche. Warme not thy legges at the fyre.

A conducible note for letting bludde.

LEt bludde at no tyme, without great cause: for it bringeth wekenes, and many infirmities. If ye do, see it be after good digestion and fastinge, in a fayre temperate daye. Beware before of all maner *exercise, bathinges, watchinges*, and *carnal copulacion* &c. After, vse fine meates, of light digestion: abstayninge from all the aforesayd, vntill the fourth daye.

Malũ minui, vel purgationibus vti, tempore caloris, propter defectũ humoris.

These signes are most daungerous for bludde letting, the *Moone* beyng in them: *Taurus, Gemini, Leo, Virgo*, and *Capricorne*, with the laste half of *Libra*, and *Scorpius*. The rest are all good, so the *Moone* beare no dominion in that member, which ye cut: as foloweth.

Ill to let blud in ♉, ♊, ♌, ♍, ♑, ♎,

Beholde the figure.

The dominion of the Moone in mans bodye.

Aries.	The.	Head, and face.
Taurus.		Necke.
Gemini		Armes, handes, ſhoulders.
Cancer.		Breſt, ſtomache, rybbes.
Leo.		Hart, backe.
Virgo.		Bowels, belly.
Libra.		Reynes, nauill, buttockes.
Scorpius.		Secret membres.
Sagittarius.		Thyes.
Capricornus.		Knees.
Aquarius.		Shynnes, legges.
Piſces.		Fete.

FRom the *chaunge*, to the *firſte quarter*, a mete tyme to let yonge men bludde.

From the *firſte quarter*, to the *ful*, good for middle age.

From the *ful*, to the *laſte quarter*, apt for aged folke.

From the *laſte quarter*, to the *change*, beſt for olde men.

Signes mete for the complexions.

ARIES. } for the *fleumatike*: the head, and thyes excepted.
Sagittarius. }

Libra. } for *melancholike*: buttockes, and legges excepted.
Aquarius. }

Hæc diligentiſſime obſeruare oportet ſolertẽ Medicũ, niſi maiora pericula cogãt

Cancer. } for *cholerike*: breſt, membres, and fete excepted.
Scorpius }
Piſces. }

For the *ſanguine*, all be apt that tofore are named good.

In the *ſpringe tyme* let bludde at the right ſide.

In *Harueſt time* at the left ſyde.

The learned Philician will conſider, beſide all that *is* ſaydé, the *Coniunctions*, *Oppoſitions*, and *quadrate aſpectes* of the Planetes: with many other thinges *Aſtronomical*, moſt neceſſarie, bothe in bludlet-

letting

letting, purging, bathinge, &c.

For to take purgations, and to bathe,

THe meteſt time to take purgations &c. is neither in hote, nor colde dayes: that is, from the tenthe of *Marche*, to the twelfthe of *Iune*.

Further, by rules Aſtronomical, it muſte be perfourmed when the *Moone* is in cold, moyſt, and watry ſignes, as *Cãcer*, *Scorpius* and *Piſces*: conforted by aſpectes, and radiations, of planetes fortifienge the vertue of the bodye expulſiue. *Good to purge* ♋, ♏, ♓.

The *Moone* in *Aries*, *Taurus*, and *Capricornus*, naughte. One cauſe of vomiting the purgation, is the *Moone* hauing aſpect to any planet *retrograde*. *Bad to purge.* ♈, ♉, ♑.

The *Moone* in theſe ſignes folowinge, very good to bathe: *Aries*, *Leo*, *Sagittari*, *Cancer*, *Scorpius* & *Piſces*. *Good to bathe* ♈, ♌, ♐, ♋, ♏, ♓.

Theſe enſuyng are euel to bathe: *Taurus*, *Virgo*, and *Capricorne*. *Bad to bathe.* ♉, ♍, ♑,

Of inundations, or fluddes: of tymbre fallinge: ſowyng: planting: graffing: hear clipping: ſhauing: and geldinge.

THe fludde is biggeſt at the full: bycauſe then diſperſinge her vertue, ſhe filleth all places with moyſture. By commõ experience, ioyned with lerning, I knowe, at the full the *Moone* lodeth all bodyes with humours: and ſo are emptied, growinge to the change. Of this, ſome gather the fall of tymbre at the change, more to the purpeſe then other tymes: wantyng then ſuperfluous moyſture, the cauſe of putrefaction. *Omnis putredo ab aqueo humido ortum habet. Schoner* willeth from the .xv. daye vnto the .xxij. daye of the *Moone*, trees to be felled, and that after *Midſomer* to *Ianuarie*. So tymbre is ſtrong, ſounde, and voyde of wormes. *The fall of tymber.*

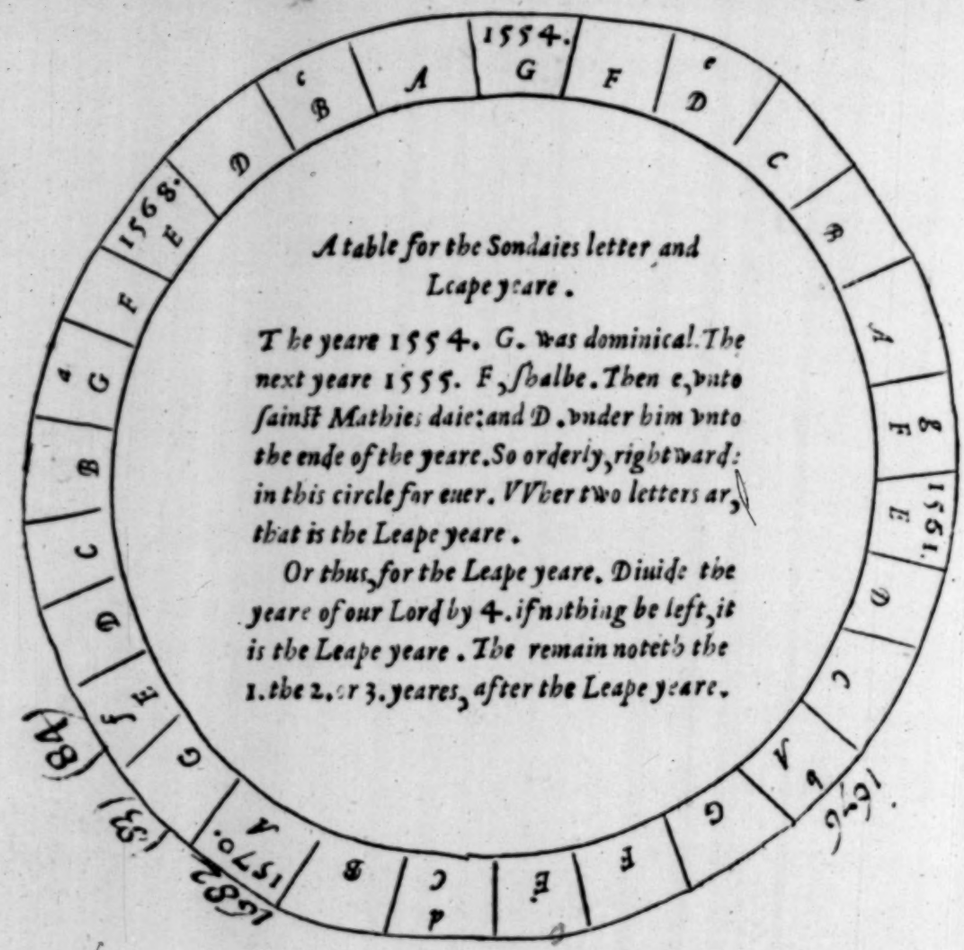
To *ſowe*, *Taurus*, *Cancer*, *Virgo*, *Libra*, and *Capricorne* are beſt, in the increace of the *Moone*. *Good to ſowe.* ♉, ♋, ♍, ♎, ♑.

To *Plant* or *Graff*, beſt is when the *Moone* hath her beynge in any fixed ſigne: either in *Tauro* or *Aquario*, in the encreaſe. *To plante or graff* ♉, ♒,

To cut heare. Heare cutte groweth well, the *Moone* encreacing, beynge in *Tauro*, ♉, ♍, ♎. *Virgine*, or *Libra*.

Cuttinge. shaving, clipping, in the wane, causeth baldnes: what is then cut, groweth lited. *Caluitiũ prohibet, oleum Tartari.*

Good to gelde ♋, ♏, ♓. The best tyme of *Gelding* is in *Cancer*, *Scorpio* or *Pisces*, in the wane.

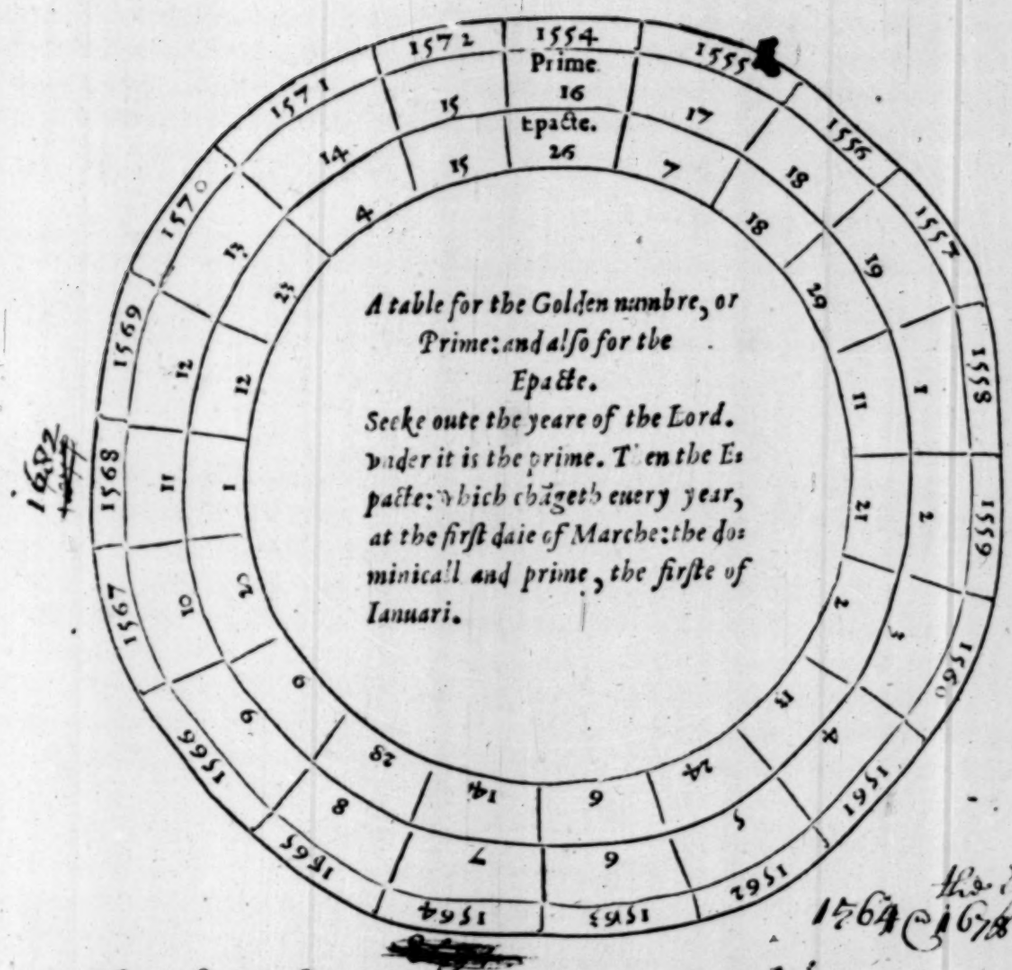


A table for the Sondaies letter and Leape yeare.

The yeare 1554. G. was dominical. The next yeare 1555. F, shalbe. Then e, vnto sainct Mathies daie: and D. vnder him vnto the ende of the yeare. So orderly, right ward: in this circle for euer. Vvher two letters ar, that is the Leape yeare.

Or thus, for the Leape yeare. Diuide the yeare of our Lord by 4. if nothing be left, it is the Leape yeare. The remain noteth the 1. the 2. or 3. yeares, after the Leape yeare.

Thys rounde Table aboue, and that also, whiche ensueth: conduce to the reste folowinge.



1682

the Epact for ye year 1564 & 1678 is 17

Here after ensuyth a table for the moueable feastes: whose vse is thus briefly declared.

THis Table folowing, conteyneth in the fyrst title the *Prime*: in the second, the *Dominical letter*: in the thirde, *Lent*: in the fourthe, *Easter daie*: in the fyfthe, *Rogation daie*: in the sixte, *whitsondaie*: in the seuenthe, howe manye wekes and dayes are betwene *whitsondaie* and *Midsomer*. Whiche all appeare by their titles.

The vſe is this.

Ye ſhall conſider by the Table before put forthe, what numbre the *prime is* that yeare, where of ye requyre to know all theſe aforeſayd: and ſeke that numbre vnder the firſte title of this Table enſuyng. Then ſeke vnder the ſeconde, the *Dominical letter*, nexte after the *prime* for that yeare: which title enſueth the *prime*. Directly againſt theſame *Dominical letter*, towardes youre right hande, in theſame lyne, ye ſhall fynde vnder the titles, what *moneth* and *daie*, enery one of theſe aforeſayd ſhal happen.

Enſample.

I wolde knowe this yeare of oure Lorde 1555. theſe moueable feaſtes: the fyrſt *Lentſonday*, *Eaſterdaye*, *Rogation daies*, *Vvhitſonday*, and how many wekes betwixt *Vvhitſonday*, and *Midſomer daie*. Fyrſte I fynde the *prime* this yeare 17. Whiche 17, I loke oute vnder the title of *prime* in this table. Then I ſeke in the nexte order, and after the *prime*, for the *Dominical letter* that year. Now in right order, according to the titles, I finde the thyrde of *Marche* to be the fyrſte *Lent ſonday*: , the 14. of Apryl *Eaſterday*: the 19. of May, *Rogation*: the .2. of Iune, *Vvhitſondaye*: and .3. wekes, and 1. daye betwixte *Vvhitſondaye*, and *Mydſomerdaie*. Thus for euer.

Profitable rules.

The prime.	The sõdaies letter.	The first Lent sõndaie.	Faster. daie.	Rogation	Whitsõntide.	Betwixt whitsõn. ād midsõ.	
16	D	Februa.	March	April.	Maie.	wek.	dais
	d	8	22	26	10	6	3
	e	9	23	27	11	6	2
13	f	10	24	28	12	6	1
2	g	11	25	29	13	6	0
	A	12	26	30	14	5	6
10	b	13	27	May. 1.	15	5	5
	c	14	28	2	16	5	4
18	d	15	29	3	17	5	3
7	e	16	30	4	18	5	2
	f	17	31	5	19	5	1
15	g	18	Aprile. 1.	6	20	5	0
4	A	19	2	7	21	4	6
	b	20	3	8	22	4	5
12	c	21	4	9	23	4	4
1	d	22	5	10	24	4	3
	e	23	6	11	25	4	2
9	f	24	7	12	26	4	1
	g	25	8	13	27	4	0
17	A	26	9	14	28	3	6
6	b	27	10	15	29	3	5
	c	28	11	16	30	3	4
14	d	Marche. 1.	12	17	31	3	3
13	e	2	13	18	Iune 1	3	2
	f	3	14	19	2	3	1
11	g	4	15	20	3	3	0
	A	5	16	21	4	2	6
19	b	6	17	22	5	2	5
8	c	7	18	23	6	2	4
	d	8	19	24	7	2	3
	e	9	20	25	8	2	2
	f	10	21	26	9	2	1
	g	11	22	27	10	2	0
	A	12	23	28	11	1	6
	b	13	24	29	12	1	5
	c	14	25	30	13	1	4

How to know the age of the Moone: then the change, and quarter, for euer.

FYrst learne the *Epact*, as I haue instructed, for that year Ye seke to know the age of the *Moone*: then recken how many dayes is past of that moneth, which daye ye desire to know the age. Putte that nũbre to the *Epact*. Then begyn at *Marche*, and recken for euery moneth from hym orderly one, vntill your sayde daye, includinge both the moneth of *Marche*, and also the moneth of your sayd day. Adde all these dayes, vnto your former numbre: putting awaye as many *thirty dayes*, as ye fynde. The rest, is the age of the *Moone*. But *Ianuarie* and *Februarie* are counted from *Marche* backwarde, as aboue is sayde. The *age* founde, the *change* is knowen. If ye adde 7. dayes to the *change*, ye haue the *first quarter*: then 7. dayes, and somewhat more, sheweth the *ful*: and so to it addinge 7. and more, bringeth the *last qurater*: thus by 7. vnto the newe *Moone*.

By the Prime the Change is knowen, but vncertainly: therfore here omitted.

Now ensue two perfecte Tables, declaringe the trew houre and minute of Ebbing and Flowing, in moste coastes of Englande.

Of Ebbinge and Flowing.

VVhen you will know the *ful sea*, seke oute the name of the place, where you desire the *ful water*, in the headde of the Tables folowing: or learne the pointes of the compas there noted: or yf you lyst, know of some mariner, what *Moone* maketh a full sea there: a *South west*, or *South Moone* &c. Then the *age* of the *Moone* founde vnder the place or poynte of the cõpasse, sheweth in right order, the houre, and minute of the *ful water*. The *ebbe* then is manifest. Ensample. I desire to know the full water at *London bridge*, the yeare of oure Lord 1555. the 6. daye of *Februarie*. I fynde by rules before put forthe, the 6. daye of *Februarie*, the yeare aforesayde, the *Moone* to be 14. days olde. I see also vnder the title where *London* is S. W. whiche letters signifie, that a Southwest *Moone* maketh a *ful sea* there: and that is at 2. of the clocke, and 12. minutes past. This is well perceyued, yf you runne doune in the Table, to the 14. daye of the age of the *Moone*, vnder *London* title. Beholde the Tables.

Quinb South-ampton. Ports: moth.	Redban Aberdē	Graues ende.	Dūdee. S. And.	Age of the Moon	London Tinmot Hertle pole.	Berwy-ke.	Frith. Lythe. Dūbar.	Falmot
South.	S b W.	SSW	S W b S		S W	S W b W	W S W	W b S.
H. M.	H. M.	H. M.	H. M.	☽	H. M	H. M	H. M.	H. M.
12 48	1 33	2 18	3 3	1	3 48	4 33	5 18	6 3
1 36	2 21	3 6	3 51	2	4 36	5 21	6 6	6 51
2 24	3 9	3 54	4 39	3	5 24	6 9	6 54	7 39
3 12	3 57	4 42	5 27	4	6 12	6 57	7 42	8 27
4 0	4 45	5 30	6 15	5	7 0	7 46	8 30	9 15
4 48	5 33	6 18	7 3	6	7 48	8 33	9 18	10 3
5 36	6 21	7 6	7 51	7	8 36	9 21	10 6	10 51
6 24	7 9	7 54	8 39	8	9 24	10 9	10 54	11 39
7 12	7 57	8 42	9 27	9	10 12	10 57	11 42	12 27
8 0	8 45	9 30	10 15	10	11 0	11 45	12 30	1 15
8 48	9 33	10 18	11 3	11	11 48	12 33	1 18	2 3
9 36	10 21	11 6	11 51	12	12 36	1 21	2 6	2 51
10 24	11 9	11 54	12 39	13	1 24	2 9	2 54	3 39
11 12	11 57	12 42	1 27	14	2 12	2 57	3 42	4 27
12 0	12 45	1 30	2 15	15	3 0	3 45	4 30	5 15
12 48	1 33	2 18	3 3	16	3 48	4 33	5 18	6 3
1 36	2 21	3 6	3 51	17	4 36	5 21	6 6	6 51
2 24	3 9	3 54	4 39	18	5 24	6 9	6 54	7 39
3 12	3 57	4 42	5 27	19	6 12	6 57	7 42	8 27
4 0	4 45	5 30	6 15	20	7 0	7 45	8 30	9 15
4 48	5 33	6 18	7 3	21	7 48	8 33	9 18	10 3
5 36	6 21	7 6	7 51	22	8 36	9 21	10 6	10 51
6 24	7 9	7 54	8 39	23	9 24	10 9	10 54	11 39
7 12	7 57	8 42	9 27	24	10 12	10 57	11 42	12 27
8 0	8 45	9 30	10 15	25	11 0	11 45	12 30	1 15
8 48	9 33	10 18	11 3	26	11 48	12 33	1 18	2 3
9 36	10 21	11 6	11 51	27	12 36	1 21	2 6	2 51
10 24	11 9	11 54	12 39	28	1 24	2 9	2 54	3 39
11 12	11 57	12 42	1 27	29	2 12	2 57	3 42	4 27
12 0	12 45	1 30	2 15	30	3 0	3 45	4 30	5 51
North.	N b E	N N E	N E b N	☽	N E	N E b E	E N E	E b N

2

Foi Lin Hūber weimot Dertm Plimot	Bristo.	Milfo Bridg-water	Portl. Peter porte	Age of the Moon	Orkn Pole. Or-wel.	Diep. Lux. Le-noys	Boloig. Douer. Harwic Yarmot	Calice.
East.	EbS.	ESE.	SEbE		SE	SEbS	SSE	SbE
H. M.	H. M.	H. M.	H. M	☽	H. M	H. M	H. M.	H. M.
6 48	7 33	8 18	9 3	1	9 48	10 33	11 8	12 3
7 36	8 21	9 6	9 51	2	10 36	11 21	12 9	12 51
8 24	9 9	9 54	10 39	3	11 24	12 9	12 54	1 39
9 12	9 57	10 42	11 27	4	12 12	12 57	1 42	2 27
10 0	10 45	11 30	12 15	5	1 0	1 42	2 30	3 15
10 48	11 33	12 18	1 3	6	1 48	2 33	3 18	4 3
11 36	12 21	1 6	1 51	7	2 36	3 21	4 6	4 51
12 24	1 9	1 54	2 39	8	3 24	4 9	4 54	5 39
1 12	1 57	2 42	3 27	9	4 12	4 57	5 42	6 27
2 0	2 45	3 30	4 15	10	5 0	5 45	6 30	7 15
2 48	3 33	4 18	5 3	11	5 48	6 33	7 18	8 3
3 36	4 21	5 6	5 51	12	6 36	7 21	8 6	8 51
4 24	5 9	5 54	6 39	13	7 24	8 9	8 54	9 39
5 12	5 57	6 42	7 27	14	8 12	8 57	9 42	10 27
6 0	6 45	7 30	8 15	15	9 0	9 45	10 30	11 15
6 48	7 33	8 18	9 3	16	9 48	10 33	11 18	12 3
7 36	8 21	9 6	9 51	17	10 36	11 21	12 6	12 51
8 24	9 9	9 54	10 39	18	11 24	12 9	12 54	1 39
9 12	9 57	10 42	11 27	19	12 12	12 57	1 42	2 27
10 0	10 45	11 30	12 15	20	1 0	1 45	2 30	3 15
10 48	11 33	12 18	1 3	21	1 48	2 33	3 18	4 3
11 36	12 21	1 6	1 51	22	2 36	3 21	4 6	4 51
12 24	1 9	1 54	2 39	23	3 24	4 9	4 54	5 39
1 12	1 57	2 42	3 27	24	4 12	4 57	5 42	6 27
2 0	2 45	3 30	4 15	25	5 0	5 45	6 30	7 15
2 48	3 33	4 18	5 3	26	5 48	6 33	7 18	8 3
3 36	4 21	5 6	5 51	27	6 36	7 21	8 6	8 51
4 24	5 9	5 54	6 39	28	7 24	8 9	8 54	9 39
5 12	5 57	6 42	7 27	29	8 12	8 57	9 42	10 27
6 0	6 45	7 30	8 15	30	9 0	9 45	10 30	11 15
VVest.	wbN	wNw	Nwbw	☽	Nw	NwbN	NNw	Nbw

4

Profitable rules.

To know how longe the Moone shyneth.

FOr her shyning in the encreace, multiplie the age of the *Moone* by 4. In the wane augment the rest of the age, which she lacketh of 30. by 4: and diuide by 5. The *Quotiēt* sheweth the houres. The *Remaine*, if there be any, multiplied by 12. bringeth minutes to be added.

Here foloweth for the goynge doune, and rysinge of the Moone: with her continuance on the earth.

NOte diligently after the chāge, and before the ful of the *Moone*, what houre the *Sunne* goyth doune: and adde to that same so manye houres and minutes, as the *Moone* shyneth that nighte: for that houre and minute, she goeth doune. Then hath she continued as long tyme on the earth, as the *Sunne* wolde haue done, beynge in that ligne where she is. Therfore, her rylinge is knowen by subduction of that *Arke*. Note after the full, the *Moone* ryseth so many houres before the *Sunne*, as she shyneth that night.

Now shal folow a Table, at al tymes plainly and briefly declaring, what daye the Sunne is entred the first degre of euery signe. It sheweth the breake of the daye: the houre, and minute of the Sunne rysing: the iust length of the day: the length of the night also: the very minute of the Sunne setting: and the Twylight.

Monethes	Dayes.	Break of the day. H. M.	Sunne rysinge. H. M.	Lengthe of the day H. M.	Lẽgthe of the night H. M.	Sunne settinge. H. M.	Twy-lyghte. H. M.	Dayes.	Monethes.	Minutes of the daye.
Janu.	1	6 0	8 11	7 37	16 23	3 49	6 0	10	Iul.	1
	10	5 58	8 10	7 40	16 20	3 50	6 2	1		
	20	5 54	8 0	8 0	16 0	4 0	6 6	20		2
	1	5 44	7 49	8 23	15 39	4 11	6 16	10		7
	10	5 35	7 34	8 52	15 8	4 26	6 25	1		4
Febr.	20	5 15	7 12	9 35	14 25	4 48	6 45	20	Aug.	3
	1	5 0	6 55	10 9	13 51	5 5	7 0	10		7
	10	4 50	6 36	10 47	13 13	5 24	7 10	1		4
	20	4 20	6 18	11 23	12 37	5 42	7 40	20		11
Mar.	1	4 0	6 1	11 58	12 2	5 59	8 0	10	Sept.	16
	10	3 40	5 41	12 37	11 23	6 19	8 20	1		12
	20	3 8	5 18	13 14	10 36	6 42	8 52	20		10
Apr.	1	2 40	5 1	13 57	10 3	6 59	9 20	10		15
	10	2 10	4 43	14 33	9 27	7 17	9 50	1		10
	20	1 30	4 25	15 9	8 51	7 35	10 30	20		12
May.	1	0 30	4 12	15 35	8 25	7 48	11 30	12	Oct.	12
	10	Cõtinuall day.	4 0	15 59	8 1	8 0	Day continuall.	1		7
	20		3 51	16 17	7 43	8 9		20		3
	1		3 48	16 23	7 37	8 12		10		6
	10	H. M.	H. M.	H. M.	H. M.	H. M.	H M.	1		1

The vse of this table.

Consider the moneth and daye, that ye require any of the to foresaide: and seke in this table that same, vnder the titles: procede in righte ordre: so ye haue your purpose. If the verye daye be not founde, take the nearest of your table. Or by proportiõ the trueth is geuẽ: whiche all by Exãple folowing shal plainly be declared.

Enſample.

The firſt daye of *Ianuarie*, I deſire all the aforeſayd: that is, *the breake of the day*: the very minute of the *Sunne ryſinge*: the *lengthe of the daye*, and alſo of the *nighte*: the *Sunne goynge doune*: and the *twilighte*. I fynde on the right hand of *Ianuarie*, theſe nũbres running doune, 1, 10, 20, which declare the firſt daye, the tenthe day, and twentith, of that moneth. Nowe to my purpoſe, I requyre the *breake of the daye* &c.. The firſt of *Ianuarie*, in the Table, vnder that title, on the right hãd of this figure 1. I ſee 5. houres, and 54. minutes, that is, 6. of the clocke wanting 6. minutes. The *riſinge* of the *Sunne* in that order, is iuſt at 8. as this figure 8. there declareth, vnder that title, in the rowe. The *lengthe of the daie*, 8. hõures: the *lengthe of the nighte*, 16. houres: the *Sunne ſettinge* is at 4: the *twilight*, at 6. and 6. minutes. Euen thus, for the tenth daye, and alſo for the twentith of that moneth, in the rowes according to their titles, in the head of my Table.

The entry of the ☉ is before omitted, to auoide in the Table, confuſion. and ſo muuh the rather, bicauſe it ſufficientlie appeareth, in the generall Kalendar folowinge.

How to worke by proportion, when the day is not found.

I Wold know all thaforſaid, the firſt day of *Ianuarie*. I take for enſample the *breake of the daye*. Remember the firſte day of *Ianuarie*, I did fynde the *breake*, to be at 5. of the clocke, and 54. minutes: and the tenthe daye I maye fynde, the *breake of the daie* to be at 5, and 44. minutes, that is, 10 minutes leſſe. I ſee now 10. dayes do geue me 10. minutes leſſe. I ſaye therfore (by *proportion*) the fyfthe day muſt geue 5. minutes leſſe then 5. houres 54. minutes: whiche is 5. houres, 49. minutes, my requeſt. Thus for all the other titles.

To know the houre of the night, by the Moone: and that diuerſly.

THe *houre* of her ryſing knowen, as is opened, and a marke made for it, in any true fixed, or mouable *Sũne Dial*, the houres *Howe by the Moone, the*

nighte houre is founde.

and minutes from that marke all the night after, are to be added to her ryſing. If more then 12. ſurmount, onely that aboue 12. ſheweth the trew houre and minute. If at the ryſing ſhe maye not be ſene, then by the *Sunne* ryſing, in that very ſigne (with the helpe of this *Almanack*) you maye perceyue what houre ſhe wolde note at her ryſing. Therfore from that marke counte.

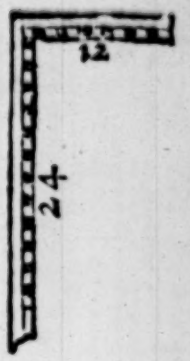
An other Way.

VVhen the *Moone* is at the ful, looke what houre her ſhadowe ſheweth in any *Dial*, that is the houre of the night. After ſhe be paſt the full 28. houres, ye muſt adde one houre: but afore the ful, pull one from that ye fynde in the *Dial*. If twiſe 28, two houres &c. So haue ye the houre of the night.

Howe the houre of the day, by right ſhadow, that is by any thyng directly ſtanding vp, is knowen: and by ſquyre ſhadow alſo.

FIrſt it behoueth you to haue a ſtaff, or any other thyng, diuided in twelue equal partes: and eche portion in 6. other: ſo are thoſe laſt partes 10. minutes a pece. When ye liſt to haue the hour, ſet vp directly youre diuided ſtaff, on a playne leuell grounde, or bourde &c. Note the iuſt length of that ſhadowe, what partes and minutes it cõtaineth. With thoſe, enter your moneth in the peculiar *Kalẽdar* folowynge: beholdinge diligentlye vnder the name of that moneth, the ſmall encloſed Tables: conſideringe well, whiche of thoſe ſmal Tables are nereſt vnto youre day: and that iudge by the ſigne, or daye there noted. That table ſerueth youre purpoſe: where you muſt loke oute the partes and minutes of the ſhadowe afore founde, or nere vnto it: vnder or ouer the which the houre is ſet, before, or after noone. Note that two pryckes there ſignifie half a part more than is noted: one prick, half a parte leſſe. Here it is alſo to be noted, that euery Table hath within, twoo rowes of figures: the vpper is for the ſtaf: the other for the ſquyre ſhadow. And whatſoeuer is before ſayd of the one, that ſame is ment here of the other, ſauing of the *compoſitiõ*. For the ſquyre muſt be diuided from

from the inward angle, to the ende of one ſide, in 12. equall partes: euen ſo from that angle, the other ſide into 24. lyke partes, as this figure ſheweth. Theſe to the wytty ſuffiſe.

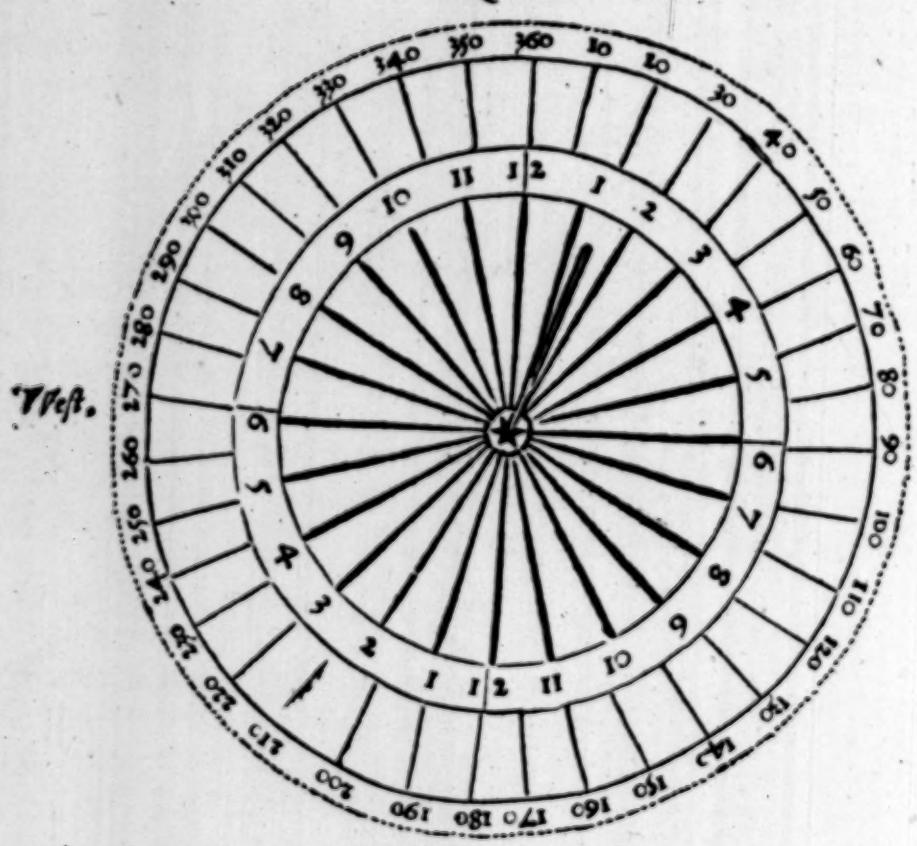


The compoſition of an inſtrument, for the houre of the night: which is alſo a perfect Dial for the day.

THe takinge of an *Altitude* ſuppoſed, I coulde exactly in fewe (and that without an inſtrument) ſatiſfie. And for want of that knowlege, make vpon a playn bourde, or rather fine plate, a circle: the byggar the better: part it into 360. porcions, thus.

The circle made, diuide it in 6. not mouing the compaſſe: then euery of them in 6: and eche of thoſe laſt in 10: ſo haue you 360. partes. Then *Character* it, begynning at the North thus, 10. 20. 30. &c. (as in the figure) towarde the Eaſt, ending with 360. Nowe laye a ruler on the centre, euen with ſome diuiſions, drawinge thorowe to the extremes of the circle, a lyne. Then croſſe that with an other. Theſe two muſt diuide your circle in 4. equal partes: which lynes ſhewe the verye *Eaſte*, *VVeſt*, *Northe*, *and Southe*, when by a *Meridian* or *ſquare Diall*, with a nedel rectified, they are placed. Now to ende, ſet a ſmall ſtreyghte wyre, a foote or more long, plumme vprighte in the centre: and there faſten it. Thus this *inſtrumente* is finiſſhed, to be fixed about your houſe, *equidiſtãt* or leuil with the *Horizon*: hauinge a nedel, yf ye liſt, in it, trewlye to plage it, when and where you will. That it maye be alſo a *Dial*, you muſte pull ſtreyghte lynes from the centre, to euery fyftẽth part: decking them with *Characters* in the inwarde margent, conueniently as ye ſee the figure. Thus whan the *Sunne* ſhyneth, the ſhadow of the wyre, ſheweth the trew houre &c. beynge trewly plaged, wel placed, and rered, as foloweth.

A perfecte instrument for the day, and the night.



The right reryng, and placing, of the Dial tofore mentioned.

LIft vp handesomely, youre instrumente or *Diall*, towarde the Northe, in some meete place, the side of a squyre lyenge on it, vntill the plummet and lyne, centred in the extreme vpper part of the other side of your squyre lyke long, cut all that squyre side, whiche lyeth on your instrumēt, the fifth part onely except. Then moue your instrumēt, hither ād thyther, this or that way, vntyll the shadow of the wyre fall vpon the houre of the day, kepyng diligētly your heyth before. Your *Dial* thus fixed declareth, all the yeare longe, the exacte houre and partes thereof: No *Dial* in truthe excelleth this. Haue in remembrance, that this instrumēt must lye leuel, nothing at al rered, for the houre of the night by sterre.

To get

Profitable rules.

To get the exact houre by two sterres of the fyrst light, with an instrument or circle, tofore diuided, first of me inuented, calculated and practised.

THe instrument, equidistantly set and plaged, as is declared in the cõposition, ye ought to laie the edge of a ruler vnto the wyre, the other nether ende touching the instrument, mouyng here and there, styll touching the wyre, vntyll either *Sterre* dothe offer it self with that edge, and that by the iudgemẽt of the eye. Then put doun discretely your ruler (euer touching the wyre) the hynder ende not moued, obseruing how many partes are cut from the *North*, to the edge of the ruler. Entre with them the peculiar *Kalendar* folowynge: sekynge oute youre *moneth*, placed in the middes of euery Table: then the daye of that moneth must be there founde.

The waie to find the houre of the night.

Note that, euerye table hath on the sides, the days thus ordered 1.5.10.15.20.25.30. Knowe, that order or rowe of figures, which is ryght agaynst, or nereste your day, serueth the turn. The nũbre or partes before cut by the *Ruler*, and now found in that row of your table, sheweth the precise hour. If it be to litte, that houre ouer the head or vnder is not yet come: if contrary, it is past.

How these two bright sterres, beynge of the fyrst light are found: the one called Aldebaran: the other Alramech.

THe beste waye is thus: The *moneth* and *dae* knowen, with the trew *houre* of the *nighte*, entre youre Table, considringe that *moneth* and *daye*: obserue what partes belonge there to that *Sterre* and *houre*. Then resort to your instrument, layeng the edge of your ruler, as many partes from the *Northe*, *Eastward*, circũspectlye lifting vp that edge, close by the wyre: so the fayr *Sterre* shyneth euen with that edge.

By what meanes these sterres are knowen.

Or thus grossely.

ALdebaran is euer a meate rodde, and more to the eye vnder the 7. *Sterres*, and some what *North* of them, in the rysing. *Alramech* is contrarie to him plaged, accompanied with a litle dimme *Sterre*, an ell from hym, by the iudgement of the sighte.

An other way to finde them

Nowe folowcth a brefe, pleaſant, neceſſarie, general Kalendar: diuided in two partes. Vvherof the firſt conteineth ſix monethes, from Ianuarie to Iune: the ſeconde table the other ſix monethes, frome Iulie to December. In this Kalendar are ſette forth the Feſtiual days: the entringe of the Sunne into the Signes celeſtial: the euel Dayes within euery moneth &c.

(*)

NOte here, that the euell dayes in eche moneth are all marked with a Colon, that is a doble or twopricked pointe: ſome, that be more meanly euel, are marked with one ful point, ſet afore them.

NOte alſo: that ſome *Termes* enſuing moueable *Feaſtes*, are moueable, and ſo coulde haue no certaine place in the *Kalendar*, for their beginning and ending. Know therefore, that *Faſter Terme* alwayes begynneth the 18. daye after *Eaſter*, rekening *Faſter day* for one: and endeth the *Mondaye* next after the *Aſcenſion daye*.

Trinitie Terme beginneth the *Friday* next after *Corpus Chriſti daye*: and endeth the *VVedneſdaye* fourtennight after.

Michaelmaſſe Terme begynneth the 9. or 10. daye of *October*: and endeth the 28. or 29. of *Nouembre*.

Hilarie Terme beginneth the 23. or 24. daye of *Ianuarie*; and endeth the 12. or 13. daye of *Februarie*.

The first part of the generall Kalendar: from Ianuarie to Iune.

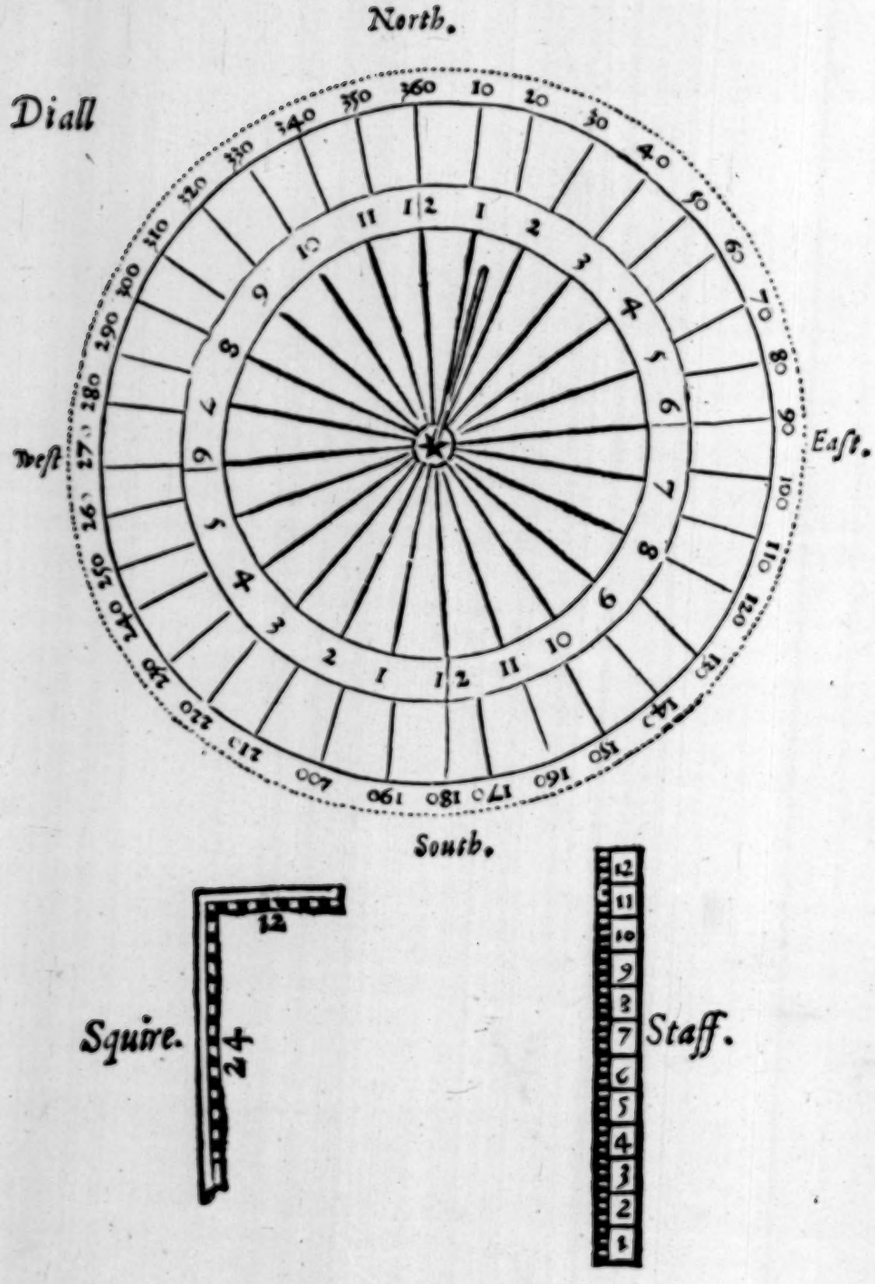
Ianuarie.	Februarie	March.	Dayes	April.	May.	Iune.
:A Circũc.	d	d	1	g	b Ph. Iac.	e
:b	e Purifi.	e	2	A	c	f
c	f	f	3	b	.d	g
:d	g	g	4	c	e	:A
:e	A	A	5	d	f	b
f Epiph.	b	b	6	e	.g	c
g	c	c	7	.f	:A	:d
A	:d	d	8	.g	b	e
b	e ☉ in ♓	e	9	A	c	f
:e ☉ in ♒	:f	f	10	.b	d	.g
d	g	g ☉ in ♈	11	c ☉ in ♉	e	A Barna.
e	A	A	12	d	f ☾ in ♊	b ☉ in ♋
f Hilar.	b	b	13	e	g	c
g	c Valent.	c	14	f	A	d
:A	d	:d	15	g	:b	.e
b	e	:e	16	:A	c	f
:c	:f	f	17	b	d	g
d	g	g	18	c	e	A
e	A	:A	19	d	f	b
f	b	b	20	.e	:g	c
g	c	c	21	:f	A	d
A	d	d	22	g	b	.e
b	e	e	23	A Georg.	c	f
c	f Mat.	f	24	b	d	g Ioã bap.
d Cõ. Pau.	g	g Annun.	25	c Marc.	e	A
e	.A	A	26	d	f	b
f	.b	b	27	e	g	c
g	.c	.c	28	f	A	d
:A		d	29	g	b	e Pe. Pa.
b		e	30	A	c	f
c		f	31		d	

The seconde parte of the general Kalendar: from Iulie to December.

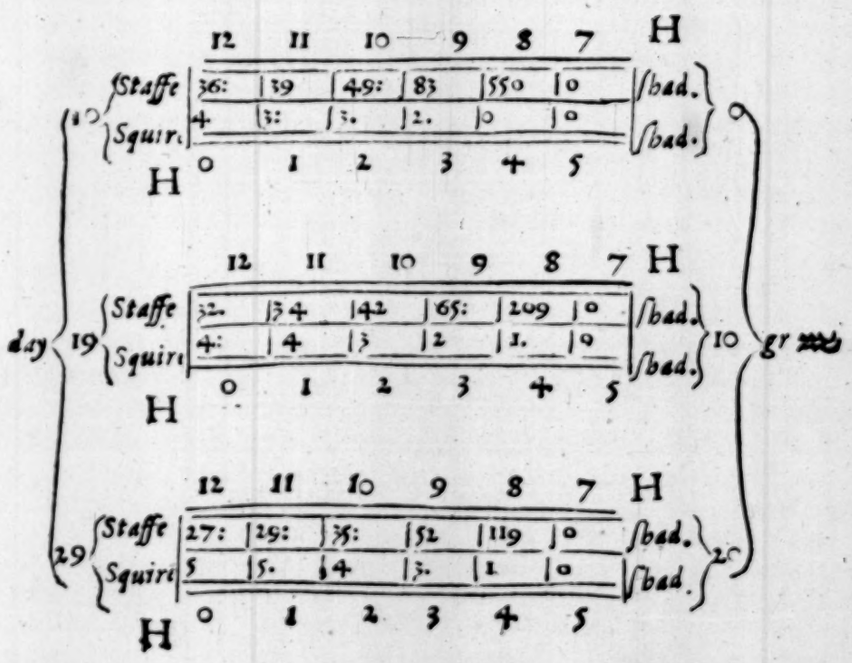
Iulie.	Auguſt.	Septem.	Days	October.	Nouem.	Decem.
g	.c Pet. vin.	f	1	A	d Om. ſa.	f
A	d	g	2	b	e Om. ani.	g
b	e	.A	3	.c	f	A
c	f	.b	4	d	g	b
d	g	c	5	e	.A	c
e Dog beg.	A	:d	6	:f	.b	:d Nicol.
f	b	:e	7	g	c	:e
g	c	f Nat. ma.	8	A	d	f Cõce. ma.
A	d	g	9	b	e	:g
b	e	A	10	c	f	A
c	f	b	11	d	g	b
d	g	c	12	e	A	c ☉ in ♑
e	A	d	13	f	b ☉ in ♐	d
f ☉ in ♌	b ☉ in ♍	e ☉ in ♎	14	g ☉ in ♏	c	e
:g	c	f	15	A	:d	.f
A	d	g	16	.b	e	g
b	e Dog end	A	17	c	f	.A
c	f	b	18	d Luc.	g	b
d	:g	c	19	e	:A	c
:e	:A	d	20	f	b	d
f	b	.e Matie.	21	g	c	e Tho. ap.
g Ma. mag	c	.f	22	A	d	.f
A	d	g	23	b	e	g
b	e Bartho.	A	24	.c	f	A
c Iac. apo.	f	b	25	d	g	b Nat. do.
d	g	c	26	e	A	c Step.
e	A	d	27	f	b	d Io. ew.
f	b	e	28	g Si. Iud.	.c	e Innocen.
g	.c decol. Io.	f Micha.	29	A	.d	f I.
A	.d	g	30	b	e Andr.	g
b	e		31	c		A

NOw ensueth the nedefull, necessary, peculiar Kalendar tofore mentioned: with Instrumentes belonging thereto. The composition, and appliance of the sayd Tables, with the pleasant vse of them, ar before sufficiently opened: therefore farther declaration here, might seme superfluous.

Neceſſary inſtrumentes, to finde exactly the houre of the day and night, diuerſe wayes, with help of this peculiar Kalendar.



	5	6	7	8	9	10	11	12	
1	108	123	142	165	190	214	60	71	From euening to midnight.
5	112	128	148	172	198	220	63	75	
10	117	135	157	182	207	228	67	78	
15	123	142	165	192	214	234	71	81	
20	129	150	175	200	222	240	75	86	
25	136	158	183	208	229	244	79	90	
30	142	166	192	215	234	249	82	94	
	January hath. xxxi. dayes.								
	82	94	106	121	142	168	198		1
	86	97	111	127	149	177	206		5
	89	101	116	134	157	187	214		10
	93	105	122	141	168	198	223		15
	98	111	128	150	179	207	231		20
	102	117	135	159	189	216	237		25
From midnight vnto day.	106	122	143	169	299	223	243		30
	1	2	3	4	5	6	7	8	



	6	7	8	9	10	11	12	
1	169	195	218	62	73	83	95	
5	176	201	223	64	75	86	99	
10	185	209	230	69	79	90	103	
15	192	215	235	71	82	94	107	
20	200	222	240	75	86	98	112	
25	207	228	244	78	89	102	117	
30								

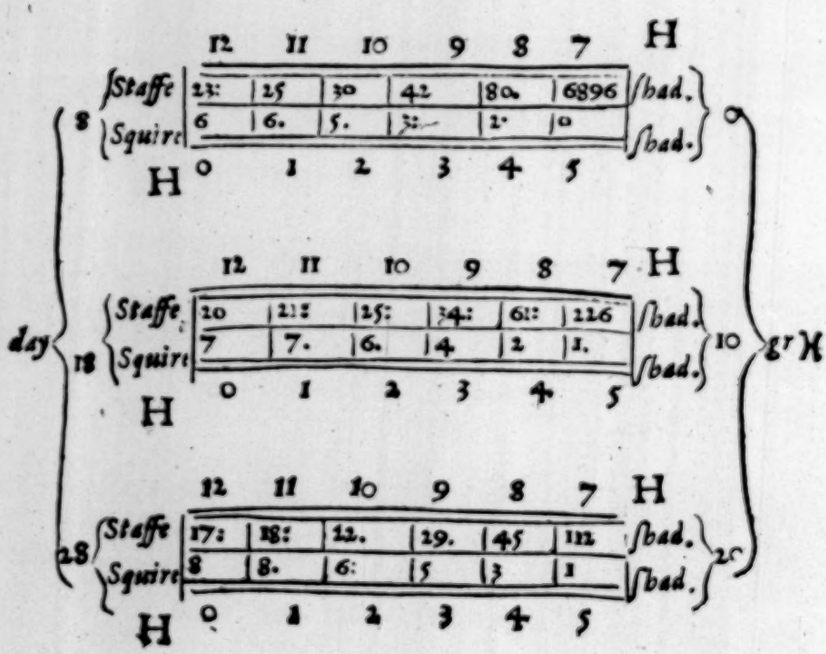
From euening to midnight.

February hath. xxviii. dayes.

From midnight vnto day.

1	108	124	146	174	203	226		
5	112	129	152	180	209	231		
10	117	135	161	190	216	238		
15	122	143	168	198	224	243		
20	128	150	180	207	231	248		
25	134	158	188	214	236	252		
30								

1 2 3 4 5 6



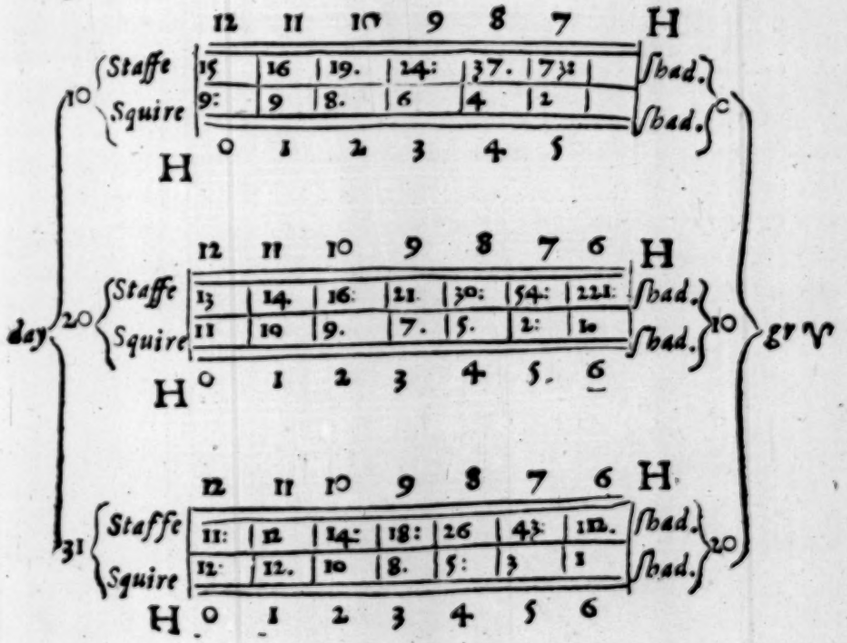
	7	8	9	10	11	12			
1	59	70	81	93	105	120			
5	62	72	83	95	108	124			
10	65	76	87	99	113	130			
15	69	80	90	103	118	136			
20	72	82	94	107	123	144			
25	75	86	98	112	128	150			
30	79	90	101	117	134	159			

From euening to midnight.

Marche hath.xxxi.dayes.

From midnight vnto day.

1	139	166	196	220	240				
5	145	173	203	225	244				
10	153	182	210	232	249				
15	162	191	217	238	254				
20	171	200	225	243	258				
25	178	208	231	248	262				
30	188	215	237	253	266				
	1	2	3	4	5	6			



	8	9	10	11	12				
1	92	104	118	136	162				
5	94	106	122	143	170				
10	98	111	127	150	178				
15	101	116	134	158	188				
20	105	122	141	168	198				
25	111	126	149	177	206				
30	116	133	157	186	214				
	Aprile hath.xxx.dayes.								
	191	218	238	254					1
	199	224	243	257					5
	208	230	247	261					10
	214	236	252	265					15
	223	242	256	269					20
	229	247	261	273					25
	236	251	265	276					30
	1	2	3	4	5				

From euening to midnight.

From midnight vnto day.

		12	11	10	9	8	7	6	H	
10	Staffe	16	11.	13.	16:	23	36	76	ſhad.	0
	Squire	14	13:	11	9.	6	4	2	ſhad.	
	H	0	1	2	3	4	5	6		

		12	11	10	9	8	7	6	H	
day 20	Staffe	9	9:	11:	15.	21.	31:	58	267:	ſhad. 10
	Squire	16	15	12:	9:	7	4:	2:	1.	ſhad.
	H	0	1	2	3	4	5	6	7	

		12	11	10	9	8	7	6	5	H	
21	Staffe	8	8:	10:	14.	19	28	49.	139:	ſhad.	20
	Squire	18	17.	14.	10:	7	5	3	1	ſhad.	
	H	0	1	2	3	4	5	6	7		

gr ♉

	8	9	10	11	12				
1	117	134	159	189	216				
5	120	140	165	195	220				
10	126	148	176	205	228				
15	133	156	186	213	235				
20	140	166	195	221	240				
25	148	175	205	229	246				
30	157	186	214	235	251				

From euening to midnight.

May hath.xxxi.dayes.

237	252	266	278						1
240	255	268	279						5
246	260	273	284						10
251	264	276	287						15
256	268	280	291						20
260	272	284	294						25
264	276	287	298						30
1	2	3	4	5					

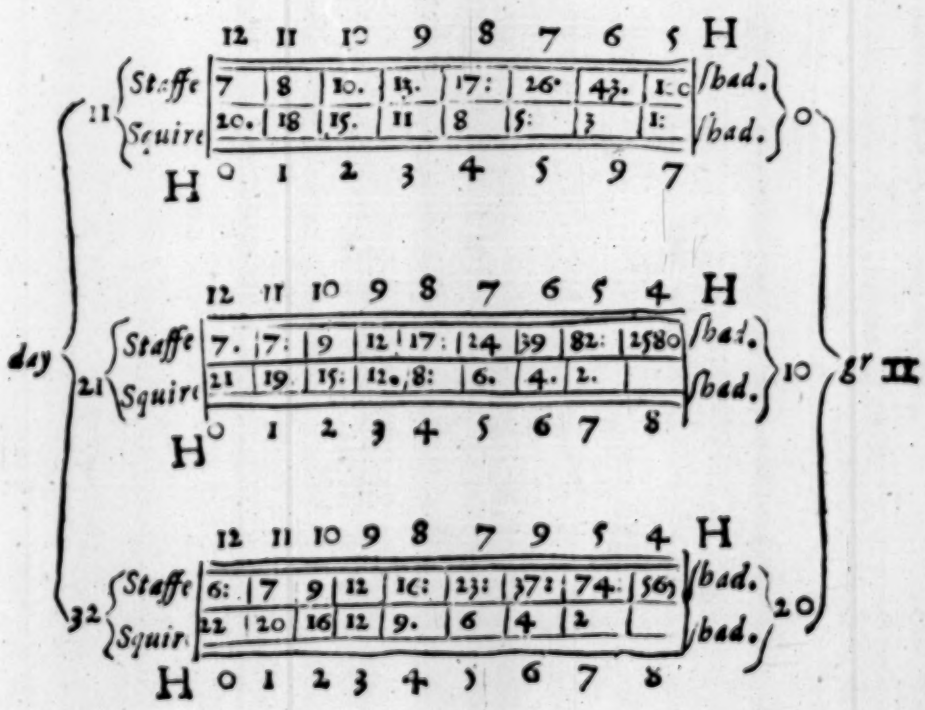
From midnight vnto daye.

		12	11	10	9	8	7	6	5	H	
11	Staffe	7	8	10.	13.	17:	26.	43.	100	ſhad.	0
	Squire	20.	18	15.	11	8	5:	3	1:	ſhad.	
	H	0	1	2	3	4	5	9	7		

		12	11	10	9	8	7	6	5	4	H	
day 21	Staffe	7.	7:	9	12	17:	24	39	82:	2580	ſhad.	10
	Squire	21	19	15:	12.	8:	6.	4.	2.		ſhad.	
	H	0	1	2	3	4	5	6	7	8		

		12	11	10	9	8	7	9	5	4	H	
32	Staffe	6:	7	9	12	16:	23:	37:	74:	565	ſhad.	20
	Squir	22	20	16	12	9.	6	4	2		ſhad.	
	H	0	1	2	3	4	5	6	7	8		

gr II



	8	9	10	11	12				
1	161	191	217	238	253				
5	169	200	225	243	258				
10	180	209	231	248	262				
15	190	216	237	253	266				
20	200	225	243	258	270				
25	209	232	249	262	274				
30	217	238	253	267	278				

From euening to midnight.

Iune hath.xxx.dayes.

267	278	289	300						1
270	280	292	303						5
274	285	296	307	oc.					10
278	288	299							15
281	292	303							20
285	296	308							25
289	300	82							30
1	2	3	4	5					

From midnight vnto daye.

		12	11	10	9	8	7	6	5	4	H	
1	Staffe	6:	7	9	12	16:	23:	36:	74:	565	ſhad.	20gr. II
	Squire	22	20	16	12	9	6	4	2.		ſhad.	
	H	0	1	2.	3	4	5	6	7	8		

		12	11	10	9	8	7	6	5	4	H	
day 12	Staffe	6:	7	9:	12.	16	23	36:	72	453	ſhad.	0
	Squire	22:	20:	16	12	9	6:	4	2	0	ſhad.	
	H	0	1	2	3	4	5	6	7	8		

		12	11	10	9	8	7	9	5	4	H	
22	Staffe	6:	7	9	12	16	23:	37	74:	565	ſhad.	10
	Squire	22	20	16	12	9	6	4	2.		ſhad.	
	H	0	1	2	3	4	5	6	7	8		

gr ♋

	8	9	10	11	12			
1	218	219	254	267	278			
5	226	243	258	270	281			
10	231	249	262	274	285			
15	238	253	267	278	289			
20	243	258	270	282	292			
25	249	262	274	285	296			
30	253	266	277	288	299			

From euening to midnight.

Iuly hath.xxxi.dayes.

From midnight vnto day.

290	300	82					1
292	308	86					5
296	78	89					10
300	82	93					15
303	85	97					20
307	89	100					25
81	93	105					30

1 2 3 4 5

12 11 10 9 8 7 6 5 4

3 day { *Staffe* 7. | 7: | 9 | 12 | 16: | 24 | 39: | 82: | 258 *shad.*
Squire 21 | 19: | 15: | 12. | 8: | 6 | 4. | 2. | *shad.* } 20 gr ♋

H 0 1 2 3 4 5 6 7 8

12 11 10 9 8 7 6 5 H

14 day { *Staffe* 7 | 8 | 10. | 13. | 17: | 26. | 42. | 100 *shad.*
Squire 20. | 18 | 15. | 11 | 8 | 5: | 3 | 1: *shad.* } 9 gr. ♌

H 0 1 2 3 4 5 6 7

12 11 10 9 8 7 6 5 H

24 { *Staffe* 8 | 8: | 10: | 14. | 19 | 28 | 49. | 139: *shad.*
Squire 18 | 17. | 14. | 10. | 7: | 5 | 3 | 1 *shad.* } 10

H 0 1 2 3 4 5 6 7

	8	9	10	11	12			
1	255	267	279	290	301			
5	259	271	281	292	304			
10	262	274	285	297	78			
15	266	277	288	299	81			
20	269	280	291	303	85			
25	273	284	295	306	88			
30	278	287	298	80	92			

From euening to midnight.

August hath.xxxi.dayes.

83	94	106	121	138			1
86	97	111	125	144			5
89	101	115	131	151			10
93	105	119	136	158			15
96	109	124	142	165			20
99	113	129	148	173			25
104	118	135	156	181			30
1	2	3	4	5			

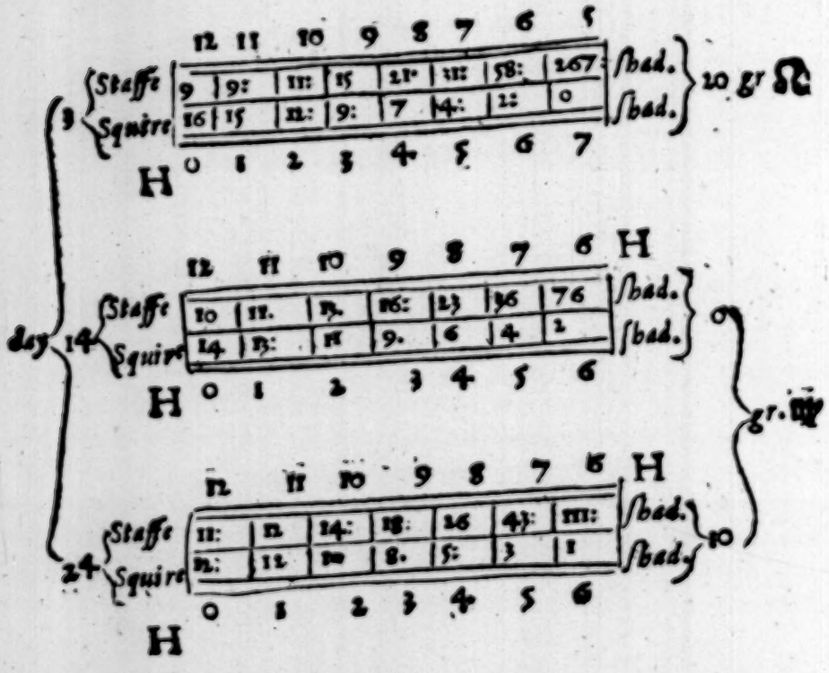
From midnight vnto day.

		12	11	10	9	8	7	6	5		
3	Staffe	9	9:	11:	15	21:	31:	58:	267:	shad.	20 gr ♌
	Squire	16	15	12:	9:	7	4:	2:	0	shad.	
	H	0	1	2	3	4	5	6	7		

		12	11	10	9	8	7	6	H		
day 14	Staffe	10	11.	13.	16:	23	36	76		shad.	0
	Squire	14	13:	11	9.	6	4	2		shad.	
	H	0	1	2	3	4	5	6			

		12	11	10	9	8	7	6	H		
24	Staffe	11:	12	14:	18:	26	43:	111:		shad.	10
	Squire	12:	12	10	8.	5:	3	1		shad.	
	H	0	1	2	3	4	5	6			

gr. ♍



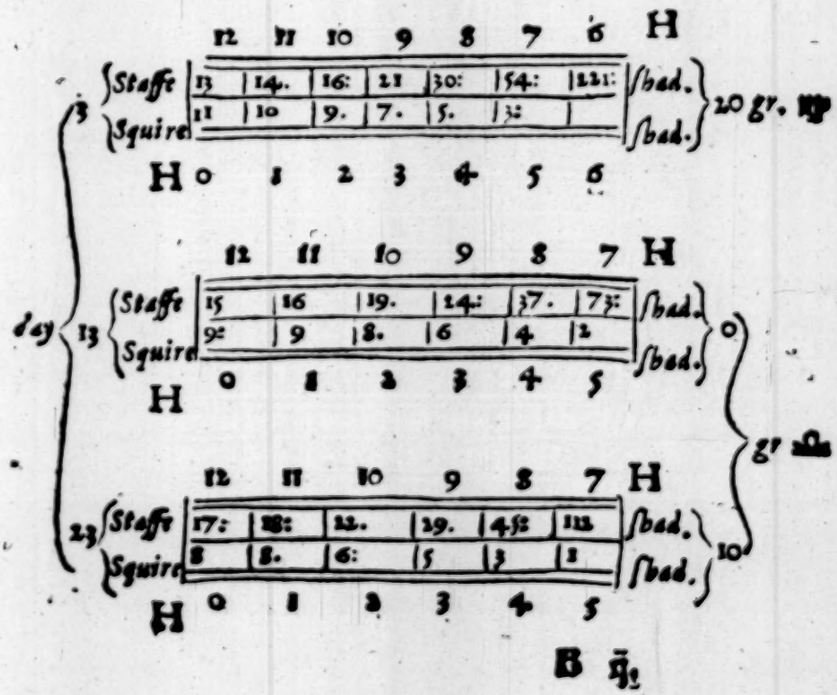
	7	8	9	10	11	12			
1	266	278	289	299	82	93			
5	269	280	291	303	84	96			
10	273	284	294	306	88	100			
15	276	286	298	80	92	104			
25	279	290	302	83	94	107			
25	283	294	305	87	99	114			
30	287	297	79	90	102	117			

From evening to midnight.

September hath. xxx. dayes.

From midnight vnto day.

	105	119	136	159	184				1
	109	123	142	165	191				5
	113	129	149	173	199				10
	117	135	155	180	205				15
	122	140	163	189	212				20
	128	147	171	197	219				25
	133	153	179	204	225				30
	1	2	3	4	5	6			



B ij

	6	7	8	9	10	11	12	
1	276	287	298	80	91	103	117	
5	279	290	301	82	94	106	121	
10	283	293	304	86	98	111	126	
15	285	67	78	89	102	115	132	
20	289	70	81	93	106	120	38	
25	292	74	85	97	111	125	145	
30	296	78	88	101	115	131	151	

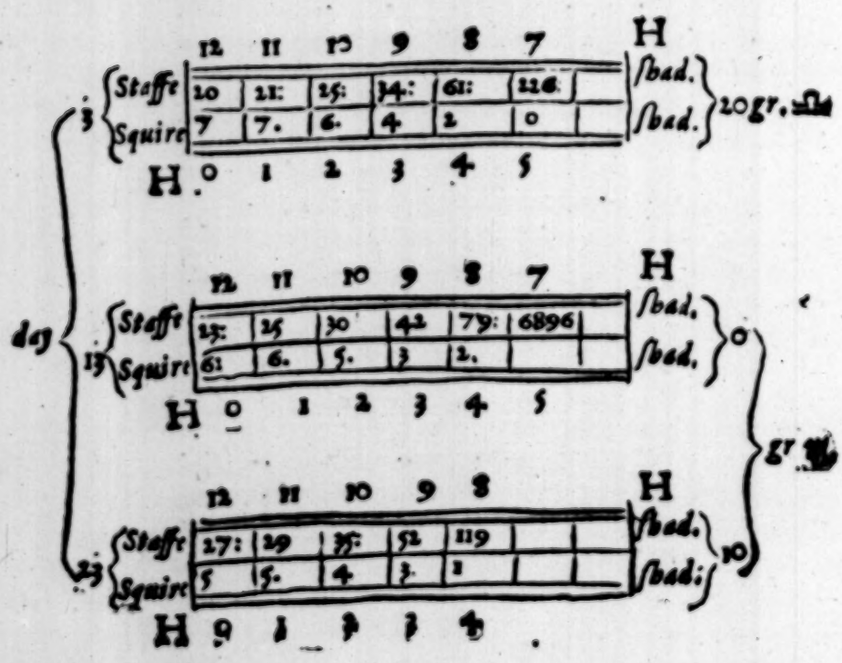
From evening to midnight.

October hath.xxxi.dayes.

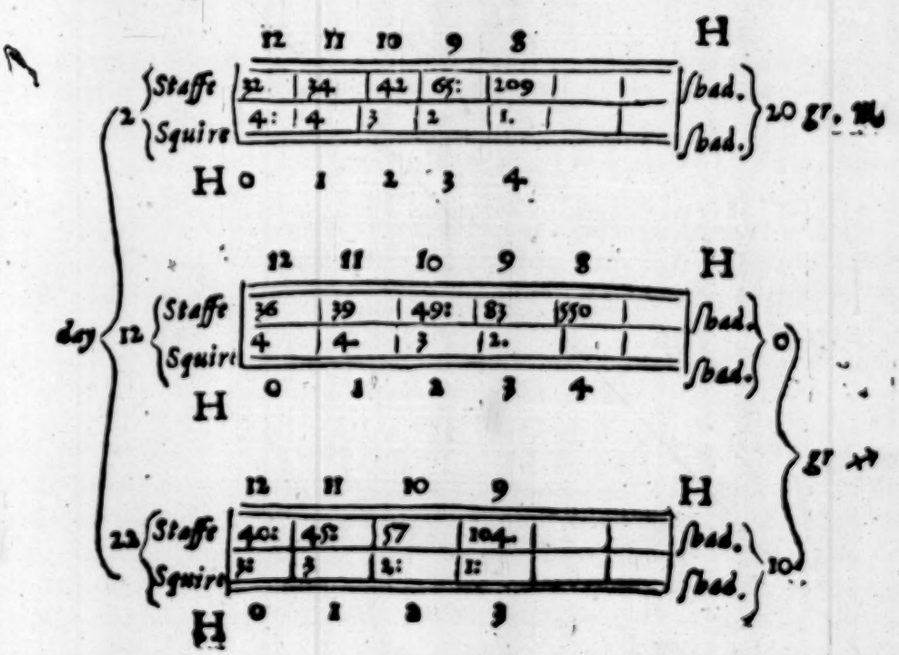
From midnight vnto dyse.

1	133	155	180	205	227	243		
5	138	161	186	211	231	247		
10	146	169	195	218	236	251		
15	152	177	202	224	242	256		
20	159	185	210	230	246	260		
25	168	193	216	235	250	263		
30	176	201	223	241	255	267		

1 2 3 4 5 6 7



	5	6	7	8	9	10	11	12	
1	289	297	80	90	103	117	134	155	From euening to midnight.
5	290	301	82	94	106	121	138	161	
10	293	305	87	98	111	126	146	169	
15	297	79	90	102	117	133	154	180	
20	301	83	94	107	122	137	163	188	
25	305	87	99	113	128	147	173	198	
30	80	91	104	118	134	156	180	207	
	Nouember hath. xxx. dayes.								
	180	205	226	243	257	269	280	292	1
	186	211	231	247	260	272	284	295	5
	196	218	237	252	264	276	287	000	10
	204	225	243	256	268	280	291	000	15
	212	232	248	261	273	284	295	000	20
	220	138	253	266	277	288	127	000	25
From midnight vnto day.	228	244	258	269	280	292	132	000	30
	1	2	3	4	5	6	7	8	



The peculiar Kalendar.

	5	6	7	8	9	10	11	12	
1	81	92	105	119	135	156	183	208	From euening to midnight.
5	84	96	109	123	143	165	192	215	
10	88	100	114	130	150	175	201	223	
15	93	105	120	135	159	185	210	230	
20	98	111	126	145	168	195	218	236	
25	102	116	132	153	177	203	225	242	
30	106	121	138	162	186	211	231	247	
	December hath .xxxi. dayes.								
	229	245	258	271	282	292	135	*	1
	234	249	263	274	286	123	143		5
	240	255	267	278	288	129	150		10
	246	260	271	283	293	137	162		15
	251	264	275	286	124	146	174		20
	256	268	279	291	131	153	183		25
From midnight vnto day.	261	272	284	295	138	165	195		30
	1	2	3	4	5	6	7		

		12	11	10	9				H	
day	2 Staffe	43:	47:	62:	122:				bad.	20 gr. xx
	2 Squire	3	3	2	1				bad.	
	11 Staffe	45.	49.	65.	131:				bad.	0
	11 Squire	3	3	2	1				bad.	
	21 Staffe	43:	47:	62:	122:				bad.	10 gr. x
	21 Squire	3:	3	2:	1:				bad.	
	31 Staffe	40:	45:	57	104	0			bad.	20
	31 Squire	3:	3	2:	1:				bad.	
	H	0	1	2	3					